



**Galaxy series**

## CHARACTERISTIC:

1. MPPT efficiency  $\geq 99.5\%$
2. Built in Bluetooth
3. Suitable For all kinds of Batteries
4. Support remote monitoring of PC and APP
5. Support Dual RS485 communication
6. Forced air cooling
7. Support Parallel Connection
8. CE/Rohs/FCC certifications Approved
9. Multiple protection functions, overvoltage
10. and overcurrent, etc



**Focus on the MPPT Solar Controller  
More Professional, More Reliable**



# Applicable scenarios



Photovoltaic power station



Project



Photovoltaic energy storage system



Intelligent Microgrid

## Product Size one

| Product item                                  | GS96L60                                                                                                                                                                                    |       | GS96L80 | GS96L100 |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------|----------|
| Product Category                              |                                                                                                                                                                                            |       |         |          |
| Controller type                               | Solar Charge Controller with Maximum Power Point Tracking (MPPT)                                                                                                                           |       |         |          |
| Maximum Power Point Tracking Efficiency       | ≥99.5%                                                                                                                                                                                     |       |         |          |
| Cooling method                                | forced air cooling                                                                                                                                                                         |       |         |          |
| Lead-acid battery system voltage range        | 72V~120V                                                                                                                                                                                   |       |         |          |
| Lithium-ion battery system                    | 96V                                                                                                                                                                                        |       |         |          |
| Input characteristics                         |                                                                                                                                                                                            |       |         |          |
| Maximum input voltage(Voc.Max)                | 430VDC                                                                                                                                                                                     |       |         |          |
| Minimum MPPT voltage (Vmppt.min)              | Vbat + 10V                                                                                                                                                                                 |       |         |          |
| start charging voltage                        | Vbat + 20V                                                                                                                                                                                 |       |         |          |
| Input overvoltage protection/recovery voltage | 430VDC/425VDC                                                                                                                                                                              |       |         |          |
| Rated input power(W)                          | 6240                                                                                                                                                                                       | 8320  | 10400   |          |
| Charging characteristics                      |                                                                                                                                                                                            |       |         |          |
| Applicable battery type                       | Common lead-acid batteries (SEL, GEL, FLD) and custom lead-acid batteries, custom lithium iron phosphate, ternary lithium or other lithium-ion batteries                                   |       |         |          |
| Rated charging current                        | 60A                                                                                                                                                                                        | 80A   | 100A    |          |
| charging method                               | Lead Acid Battery: CC (Quick Charge)-CV (Constant Voltage Charge)-CF (Float Charge) Li-Ion Battery: CC (Quick Charge)-CV (Constant Voltage Charge)                                         |       |         |          |
| Load characteristics                          |                                                                                                                                                                                            |       |         |          |
| load voltage                                  | Same as battery voltage                                                                                                                                                                    |       |         |          |
| Rated load current                            | 60A                                                                                                                                                                                        | 80A   | 100A    |          |
| load control mode                             | On/Off, Light Control Mode, Dual Time Period Timing Control Mode, Fixed Time Light Control Mode                                                                                            |       |         |          |
| Display & Communication                       |                                                                                                                                                                                            |       |         |          |
| Display                                       | Working status indicator or MH-M80 meter                                                                                                                                                   |       |         |          |
| communication                                 | Dual RJ45 interface/RS485 bus/host computer software/built-in Bluetooth/WIFI module mobile phone cloud monitoring (optional)                                                               |       |         |          |
| protocol                                      | Standard Modbus protocol & non-standard proprietary protocol                                                                                                                               |       |         |          |
| Other features                                |                                                                                                                                                                                            |       |         |          |
| How to set                                    | PC softwar / APP /Meter                                                                                                                                                                    |       |         |          |
| Protections                                   | Input / output overvoltage and undervoltage protection / input reverse connection protection / battery anti reverse connection protection / overheating protection / overcharge protection |       |         |          |
| Operating ambient temperature                 | -20℃~+50℃                                                                                                                                                                                  |       |         |          |
| Storage temperature                           | -40℃~+75℃                                                                                                                                                                                  |       |         |          |
| IP(Ingress protection)                        | IP21                                                                                                                                                                                       |       |         |          |
| Recommended breaker for battery               | ≥80A                                                                                                                                                                                       | ≥100A | ≥125A   |          |
| net weight                                    | 17kg                                                                                                                                                                                       |       |         |          |
| Gross weight                                  | 23.5kg                                                                                                                                                                                     |       |         |          |
| Product Size                                  | 313*540*187MM                                                                                                                                                                              |       |         |          |
| Package dimensions                            | 635*430*295MM( wooden box)                                                                                                                                                                 |       |         |          |

# Applicable scenarios



Photovoltaic power station



Project



Photovoltaic energy storage system



Intelligent Microgrid

## Product Size two

| Product item                                  | GS120L60                                                                                                                                                                                   |  | GS120L80 |  | GS120L100 |  |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|--|-----------|--|
| Product Category                              |                                                                                                                                                                                            |  |          |  |           |  |
| Controller type                               | Solar Charge Controller with Maximum Power Point Tracking (MPPT)                                                                                                                           |  |          |  |           |  |
| Maximum Power Point Tracking Efficiency       | ≥99.5%                                                                                                                                                                                     |  |          |  |           |  |
| Cooling method                                | forced air cooling                                                                                                                                                                         |  |          |  |           |  |
| Lead-acid battery system voltage range        | 90V~150V                                                                                                                                                                                   |  |          |  |           |  |
| Lithium-ion battery system                    | 120V                                                                                                                                                                                       |  |          |  |           |  |
| Input characteristics                         |                                                                                                                                                                                            |  |          |  |           |  |
| Maximum input voltage(Voc.Max)                | 430VDC                                                                                                                                                                                     |  |          |  |           |  |
| Minimum MPPT voltage (Vmppt.min)              | Vbat + 10V                                                                                                                                                                                 |  |          |  |           |  |
| start charging voltage                        | Vbat + 20V                                                                                                                                                                                 |  |          |  |           |  |
| Input overvoltage protection/recovery voltage | 430VDC/425VDC                                                                                                                                                                              |  |          |  |           |  |
| Rated input power(W)                          | 7800                                                                                                                                                                                       |  | 10400    |  | 13000     |  |
| Charging characteristics                      |                                                                                                                                                                                            |  |          |  |           |  |
| Applicable battery type                       | Common lead-acid batteries (SEL, GEL, FLD) and custom lead-acid batteries, custom lithium iron phosphate, ternary lithium or other lithium-ion batteries                                   |  |          |  |           |  |
| Rated charging current                        | 60A                                                                                                                                                                                        |  | 80A      |  | 100A      |  |
| charging method                               | Lead Acid Battery: CC (Quick Charge)-CV (Constant Voltage Charge)-CF (Float Charge) Li-Ion Battery: CC (Quick Charge)-CV (Constant Voltage Charge)                                         |  |          |  |           |  |
| Load characteristics                          |                                                                                                                                                                                            |  |          |  |           |  |
| load voltage                                  | Same as battery voltage                                                                                                                                                                    |  |          |  |           |  |
| Rated load current                            | 60A                                                                                                                                                                                        |  | 80A      |  | 100A      |  |
| load control mode                             | On/Off, Light Control Mode, Dual Time Period Timing Control Mode, Fixed Time Light Control Mode                                                                                            |  |          |  |           |  |
| Display & Communication                       |                                                                                                                                                                                            |  |          |  |           |  |
| Display                                       | Working status indicator or MH-M80 meter                                                                                                                                                   |  |          |  |           |  |
| communication                                 | Dual RJ45 interface/RS485 bus/host computer software/built-in Bluetooth/WIFI module mobile phone cloud monitoring (optional)                                                               |  |          |  |           |  |
| protocol                                      | Standard Modbus protocol & non-standard proprietary protocol                                                                                                                               |  |          |  |           |  |
| Other features                                |                                                                                                                                                                                            |  |          |  |           |  |
| How to set                                    | PC softwar / APP /Meter                                                                                                                                                                    |  |          |  |           |  |
| Protections                                   | Input / output overvoltage and undervoltage protection / input reverse connection protection / battery anti reverse connection protection / overheating protection / overcharge protection |  |          |  |           |  |
| Operating ambient temperature                 | -20℃~+50℃                                                                                                                                                                                  |  |          |  |           |  |
| Storage temperature                           | -40℃~+75℃                                                                                                                                                                                  |  |          |  |           |  |
| IP(Ingress protection)                        | IP21                                                                                                                                                                                       |  |          |  |           |  |
| Recommended breaker for battery               | ≥80A                                                                                                                                                                                       |  | ≥100A    |  | ≥125A     |  |
| net weight                                    | 17kg                                                                                                                                                                                       |  |          |  |           |  |
| Gross weight                                  | 23.5kg                                                                                                                                                                                     |  |          |  |           |  |
| Product Size                                  | 313*540*187MM                                                                                                                                                                              |  |          |  |           |  |
| Package dimensions                            | 635*430*295MM( wooden box)                                                                                                                                                                 |  |          |  |           |  |



# Applicable scenarios



Photovoltaic power station



Project



Photovoltaic energy storage system



Intelligent Microgrid

## Product Size three

| Product item                                  | GS144L60                                                                                                                                                                                   | GS144L80 | GS180L60  | GS180L80 |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|----------|
| Product Category                              |                                                                                                                                                                                            |          |           |          |
| Controller type                               | Solar Charge Controller with Maximum Power Point Tracking (MPPT)                                                                                                                           |          |           |          |
| Maximum Power Point Tracking Efficiency       | ≥99.5%                                                                                                                                                                                     |          |           |          |
| Cooling method                                | forced air cooling                                                                                                                                                                         |          |           |          |
| Lead-acid battery system voltage range        | 108V~180V                                                                                                                                                                                  |          | 135V~225V |          |
| Lithium-ion battery system                    | 144V                                                                                                                                                                                       |          | 180V      |          |
| Input characteristics                         |                                                                                                                                                                                            |          |           |          |
| Maximum input voltage(Voc.Max)                | 430VDC                                                                                                                                                                                     |          |           |          |
| Minimum MPPT voltage (Vmppt.min)              | Vbat + 10V                                                                                                                                                                                 |          |           |          |
| start charging voltage                        | Vbat + 20V                                                                                                                                                                                 |          |           |          |
| Input overvoltage protection/recovery voltage | 430VDC/425VDC                                                                                                                                                                              |          |           |          |
| Rated input power(W)                          | 9360                                                                                                                                                                                       | 12480    | 11700     | 15600    |
| Charging characteristics                      |                                                                                                                                                                                            |          |           |          |
| Applicable battery type                       | Common lead-acid batteries (SEL, GEL, FLD) and custom lead-acid batteries, custom lithium iron phosphate, ternary lithium or other lithium-ion batteries                                   |          |           |          |
| Rated charging current                        | 60A                                                                                                                                                                                        | 80A      | 60A       | 80A      |
| charging method                               | Lead Acid Battery: CC (Quick Charge)-CV (Constant Voltage Charge)-CF (Float Charge) Li-Ion Battery: CC (Quick Charge)-CV (Constant Voltage Charge)                                         |          |           |          |
| Load characteristics                          |                                                                                                                                                                                            |          |           |          |
| load voltage                                  | Same as battery voltage                                                                                                                                                                    |          |           |          |
| Rated load current                            | 60A                                                                                                                                                                                        | 80A      | 60A       | 80A      |
| load control mode                             | On/Off, Light Control Mode, Dual Time Period Timing Control Mode, Fixed Time Light Control Mode                                                                                            |          |           |          |
| Display & Communication                       |                                                                                                                                                                                            |          |           |          |
| Display                                       | Working status indicator or MH-M80 meter                                                                                                                                                   |          |           |          |
| communication                                 | Dual RJ45 interface/RS485 bus/host computer software/built-in Bluetooth/WIFI module mobile phone cloud monitoring (optional)                                                               |          |           |          |
| protocol                                      | Standard Modbus protocol & non-standard proprietary protocol                                                                                                                               |          |           |          |
| Other features                                |                                                                                                                                                                                            |          |           |          |
| How to set                                    | PC softwar / APP /Meter                                                                                                                                                                    |          |           |          |
| Protections                                   | Input / output overvoltage and undervoltage protection / input reverse connection protection / battery anti reverse connection protection / overheating protection / overcharge protection |          |           |          |
| Operating ambient temperature                 | -20°C~+50°C                                                                                                                                                                                |          |           |          |
| Storage temperature                           | -40°C~+75°C                                                                                                                                                                                |          |           |          |
| IP(Ingress protection)                        | IP21                                                                                                                                                                                       |          |           |          |
| Recommended breaker for battery               | ≥80A                                                                                                                                                                                       | ≥100A    | ≥80A      | ≥100A    |
| net weight                                    | 17kg                                                                                                                                                                                       |          |           |          |
| Gross weight                                  | 23.5kg                                                                                                                                                                                     |          |           |          |
| Product Size                                  | 313*540*187MM                                                                                                                                                                              |          |           |          |
| Package dimensions                            | 635*430*295MM( wooden box)                                                                                                                                                                 |          |           |          |



# Applicable scenarios



Photovoltaic power station



Project



Photovoltaic energy storage system



Intelligent Microgrid

## Product Size four

| Product item                                  | GS192L50                                                                                                                                                                                   | GS192L60 | GS216L50  | GS216L60 | GS240L50  | GS240L60 |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|----------|-----------|----------|
| Product Category                              |                                                                                                                                                                                            |          |           |          |           |          |
| Controller type                               | Solar Charge Controller with Maximum Power Point Tracking (MPPT)                                                                                                                           |          |           |          |           |          |
| Maximum Power Point Tracking Efficiency       | ≥99.5%                                                                                                                                                                                     |          |           |          |           |          |
| Cooling method                                | forced air cooling                                                                                                                                                                         |          |           |          |           |          |
| Lead-acid battery system voltage range        | 144V~240V                                                                                                                                                                                  |          | 162V~270V |          | 180V~300V |          |
| Lithium-ion battery system                    | 192V                                                                                                                                                                                       |          | 216V      |          | 240V      |          |
| Input characteristics                         |                                                                                                                                                                                            |          |           |          |           |          |
| Maximum input voltage(Voc.Max)                | 430VDC                                                                                                                                                                                     |          |           |          |           |          |
| Minimum MPPT voltage (Vmppt.min)              | Vbat + 10V                                                                                                                                                                                 |          |           |          |           |          |
| start charging voltage                        | Vbat + 20V                                                                                                                                                                                 |          |           |          |           |          |
| Input overvoltage protection/recovery voltage | 430VDC/425VDC                                                                                                                                                                              |          |           |          |           |          |
| Rated input power(W)                          | 10400                                                                                                                                                                                      | 12480    | 11700     | 14040    | 13000     | 15600    |
| Charging characteristics                      |                                                                                                                                                                                            |          |           |          |           |          |
| Applicable battery type                       | Common lead-acid batteries (SEL, GEL, FLD) and custom lead-acid batteries, custom lithium iron phosphate, ternary lithium or other lithium-ion batteries                                   |          |           |          |           |          |
| Rated charging current                        | 50A                                                                                                                                                                                        | 60A      | 50A       | 60A      | 50A       | 60A      |
| charging method                               | Lead Acid Battery: CC (Quick Charge)-CV (Constant Voltage Charge)-CF (Float Charge) Li-Ion Battery: CC (Quick Charge)-CV (Constant Voltage Charge)                                         |          |           |          |           |          |
| Load characteristics                          |                                                                                                                                                                                            |          |           |          |           |          |
| load voltage                                  | Same as battery voltage                                                                                                                                                                    |          |           |          |           |          |
| Rated load current                            | 50A                                                                                                                                                                                        | 60A      | 50A       | 60A      | 50A       | 60A      |
| load control mode                             | On/Off, Light Control Mode, Dual Time Period Timing Control Mode, Fixed Time Light Control Mode                                                                                            |          |           |          |           |          |
| Display & Communication                       |                                                                                                                                                                                            |          |           |          |           |          |
| Display                                       | Working status indicator or MH-M80 meter                                                                                                                                                   |          |           |          |           |          |
| communication                                 | Dual RJ45 interface/RS485 bus/host computer software/built-in Bluetooth/WIFI module mobile phone cloud monitoring (optional)                                                               |          |           |          |           |          |
| protocol                                      | Standard Modbus protocol & non-standard proprietary protocol                                                                                                                               |          |           |          |           |          |
| Other features                                |                                                                                                                                                                                            |          |           |          |           |          |
| How to set                                    | PC softwar / APP /Meter                                                                                                                                                                    |          |           |          |           |          |
| Protections                                   | Input / output overvoltage and undervoltage protection / input reverse connection protection / battery anti reverse connection protection / overheating protection / overcharge protection |          |           |          |           |          |
| Operating ambient temperature                 | -20℃~+50℃                                                                                                                                                                                  |          |           |          |           |          |
| Storage temperature                           | -40℃~+75℃                                                                                                                                                                                  |          |           |          |           |          |
| IP(Ingress protection)                        | IP21                                                                                                                                                                                       |          |           |          |           |          |
| Recommended breaker for battery               | ≥80A                                                                                                                                                                                       |          |           |          |           |          |
| net weight                                    | 17kg                                                                                                                                                                                       |          |           |          |           |          |
| Gross weight                                  | 23.5kg                                                                                                                                                                                     |          |           |          |           |          |
| Product Size                                  | 313*540*187MM                                                                                                                                                                              |          |           |          |           |          |
| Package dimensions                            | 635*430*295MM( wooden box)                                                                                                                                                                 |          |           |          |           |          |

# Applicable scenarios



Photovoltaic power station



Project



Photovoltaic energy storage system



Intelligent Microgrid

## Product Size five

| Product item                                  | GS192H100                                                                                                                                                                                  | GS216H80  | GS216H100 | GS240H80  | GS240H100 |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|-----------|-----------|
| Product Category                              |                                                                                                                                                                                            |           |           |           |           |
| Controller type                               | Solar Charge Controller with Maximum Power Point Tracking (MPPT)                                                                                                                           |           |           |           |           |
| Maximum Power Point Tracking Efficiency       | 99.50%                                                                                                                                                                                     |           |           |           |           |
| Cooling method                                | forced air cooling                                                                                                                                                                         |           |           |           |           |
| Lead-acid battery system voltage range        | 144V~240V                                                                                                                                                                                  | 162V~270V |           | 180V~300V |           |
| Lithium-ion battery system                    | 192V                                                                                                                                                                                       | 216V      |           | 240V      |           |
| Input characteristics                         |                                                                                                                                                                                            |           |           |           |           |
| Maximum input voltage(Voc.Max)                | 660VDC                                                                                                                                                                                     |           |           |           |           |
| Minimum MPPT voltage (Vmppt.min)              | Vbat + 10V                                                                                                                                                                                 |           |           |           |           |
| start charging voltage                        | Vbat + 20V                                                                                                                                                                                 |           |           |           |           |
| Input overvoltage protection/recovery voltage | 660VDC/655VDC                                                                                                                                                                              |           |           |           |           |
| Rated input power(W)                          | 20800                                                                                                                                                                                      | 18720     | 23400     | 20800     | 26000     |
| Charging characteristics                      |                                                                                                                                                                                            |           |           |           |           |
| Applicable battery type                       | Common lead-acid batteries (SEL, GEL, FLD) and custom lead-acid batteries, custom lithium iron phosphate, ternary lithium or other lithium-ion batteries                                   |           |           |           |           |
| Rated charging current                        | 100A                                                                                                                                                                                       | 80A       | 100A      | 80A       | 100A      |
| charging method                               | Lead Acid Battery: CC (Quick Charge)-CV (Constant Voltage Charge)-CF (Float Charge) Li-Ion Battery: CC (Quick Charge)-CV (Constant Voltage Charge)                                         |           |           |           |           |
| Load characteristics                          |                                                                                                                                                                                            |           |           |           |           |
| load voltage                                  | Same as battery voltage                                                                                                                                                                    |           |           |           |           |
| Rated load current                            | Measurable range: 0~100A                                                                                                                                                                   |           |           |           |           |
| load control mode                             | Normally open                                                                                                                                                                              |           |           |           |           |
| Display & Communication                       |                                                                                                                                                                                            |           |           |           |           |
| Display                                       | Working status indicator or MH-M80 meter                                                                                                                                                   |           |           |           |           |
| communication                                 | Dual RJ45 interface/RS485 bus/host computer software/built-in Bluetooth/WIFI module mobile phone cloud monitoring (optional)                                                               |           |           |           |           |
| protocol                                      | Standard Modbus protocol & non-standard proprietary protocol                                                                                                                               |           |           |           |           |
| Other features                                |                                                                                                                                                                                            |           |           |           |           |
| How to set                                    | PC softwar / APP /Meter                                                                                                                                                                    |           |           |           |           |
| Protections                                   | Input / output overvoltage and undervoltage protection / input reverse connection protection / battery anti reverse connection protection / overheating protection / overcharge protection |           |           |           |           |
| Operating ambient temperature                 | -20℃~+50℃                                                                                                                                                                                  |           |           |           |           |
| Storage temperature                           | -40℃~+75℃                                                                                                                                                                                  |           |           |           |           |
| IP(Ingress protection)                        | IP21                                                                                                                                                                                       |           |           |           |           |
| Recommended breaker for battery               | ≥125A                                                                                                                                                                                      | ≥100A     | ≥125A     | ≥100A     | ≥125A     |
| net weight                                    | 23kg                                                                                                                                                                                       |           |           |           |           |
| Gross weight                                  | 30kg                                                                                                                                                                                       |           |           |           |           |
| Product Size                                  | 340*522*222MM                                                                                                                                                                              |           |           |           |           |
| Package dimensions                            | 620*450*335MM( wooden box)                                                                                                                                                                 |           |           |           |           |



# Applicable scenarios



Photovoltaic power station



Project



Photovoltaic energy storage system



Intelligent Microgrid

## Product Size six

| Product item                                  | GS360H80                                                                                                                                                                                   | GS384H80  | GS384H100 | GS480H60  | GS480H80 |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|-----------|----------|
| Product Category                              |                                                                                                                                                                                            |           |           |           |          |
| Controller type                               | Solar Charge Controller with Maximum Power Point Tracking (MPPT)                                                                                                                           |           |           |           |          |
| Maximum Power Point Tracking Efficiency       | 99.50%                                                                                                                                                                                     |           |           |           |          |
| Cooling method                                | forced air cooling                                                                                                                                                                         |           |           |           |          |
| Lead-acid battery system voltage range        | 270V~450V                                                                                                                                                                                  | 288V~480V |           | 360V~600V |          |
| Lithium-ion battery system                    | 360V                                                                                                                                                                                       | 384V      |           | 480V      |          |
| Input characteristics                         |                                                                                                                                                                                            |           |           |           |          |
| Maximum input voltage(Voc.Max)                | 850VDC                                                                                                                                                                                     |           |           |           |          |
| Minimum MPPT voltage (Vmppt.min)              | Vbat + 10V                                                                                                                                                                                 |           |           |           |          |
| start charging voltage                        | Vbat + 20V                                                                                                                                                                                 |           |           |           |          |
| Input overvoltage protection/recovery voltage | 850VDC/845VDC                                                                                                                                                                              |           |           |           |          |
| Rated input power(W)                          | 31200                                                                                                                                                                                      | 33280     | 41600     | 31200     | 41600    |
| Charging characteristics                      |                                                                                                                                                                                            |           |           |           |          |
| Applicable battery type                       | Common lead-acid batteries (SEL, GEL, FLD) and custom lead-acid batteries, custom lithium iron phosphate, ternary lithium or other lithium-ion batteries                                   |           |           |           |          |
| Rated charging current                        | 80A                                                                                                                                                                                        | 80A       | 100A      | 60A       | 80A      |
| charging method                               | Lead Acid Battery: CC (Quick Charge)-CV (Constant Voltage Charge)-CF (Float Charge) Li-Ion Battery: CC (Quick Charge)-CV (Constant Voltage Charge)                                         |           |           |           |          |
| Load characteristics                          |                                                                                                                                                                                            |           |           |           |          |
| load voltage                                  | Same as battery voltage                                                                                                                                                                    |           |           |           |          |
| Rated load current                            | Measurable range: 0~100A                                                                                                                                                                   |           |           |           |          |
| load control mode                             | Normally open                                                                                                                                                                              |           |           |           |          |
| Display & Communication                       |                                                                                                                                                                                            |           |           |           |          |
| Display                                       | Working status indicator or MH-M80 meter                                                                                                                                                   |           |           |           |          |
| communication                                 | Dual RJ45 interface/RS485 bus/host computer software/built-in Bluetooth/WIFI module mobile phone cloud monitoring (optional)                                                               |           |           |           |          |
| protocol                                      | Standard Modbus protocol & non-standard proprietary protocol                                                                                                                               |           |           |           |          |
| Other features                                |                                                                                                                                                                                            |           |           |           |          |
| How to set                                    | PC softwar / APP /Meter                                                                                                                                                                    |           |           |           |          |
| Protections                                   | Input / output overvoltage and undervoltage protection / input reverse connection protection / battery anti reverse connection protection / overheating protection / overcharge protection |           |           |           |          |
| Operating ambient temperature                 | -20℃~-+50℃                                                                                                                                                                                 |           |           |           |          |
| Storage temperature                           | -40℃~-+75℃                                                                                                                                                                                 |           |           |           |          |
| IP(Ingress protection)                        | IP21                                                                                                                                                                                       |           |           |           |          |
| Recommended breaker for battery               | ≥100A                                                                                                                                                                                      | ≥100A     | ≥125A     | ≥80A      | ≥100A    |
| net weight                                    | --                                                                                                                                                                                         |           |           |           |          |
| Gross weight                                  | --                                                                                                                                                                                         |           |           |           |          |
| Product Size                                  | 340*585*227MM                                                                                                                                                                              |           |           |           |          |
| Package dimensions                            | 680*450*335MM( wooden box)                                                                                                                                                                 |           |           |           |          |

# Applicable scenarios



Photovoltaic power station



Project



Photovoltaic energy storage system



Intelligent Microgrid

## Product Size one

| Product item                                  | GS96L60                                                                                                                                                                                    |       | GS96L80 | GS96L100 |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------|----------|
| Product Category                              |                                                                                                                                                                                            |       |         |          |
| Controller type                               | Solar Charge Controller with Maximum Power Point Tracking (MPPT)                                                                                                                           |       |         |          |
| Maximum Power Point Tracking Efficiency       | ≥99.5%                                                                                                                                                                                     |       |         |          |
| Cooling method                                | forced air cooling                                                                                                                                                                         |       |         |          |
| Lead-acid battery system voltage range        | 72V~120V                                                                                                                                                                                   |       |         |          |
| Lithium-ion battery system                    | 96V                                                                                                                                                                                        |       |         |          |
| Input characteristics                         |                                                                                                                                                                                            |       |         |          |
| Maximum input voltage(Voc.Max)                | 430VDC                                                                                                                                                                                     |       |         |          |
| Minimum MPPT voltage (Vmppt.min)              | Vbat + 10V                                                                                                                                                                                 |       |         |          |
| start charging voltage                        | Vbat + 20V                                                                                                                                                                                 |       |         |          |
| Input overvoltage protection/recovery voltage | 430VDC/425VDC                                                                                                                                                                              |       |         |          |
| Rated input power(W)                          | 6240                                                                                                                                                                                       | 8320  | 10400   |          |
| Charging characteristics                      |                                                                                                                                                                                            |       |         |          |
| Applicable battery type                       | Common lead-acid batteries (SEL, GEL, FLD) and custom lead-acid batteries, custom lithium iron phosphate, ternary lithium or other lithium-ion batteries                                   |       |         |          |
| Rated charging current                        | 60A                                                                                                                                                                                        | 80A   | 100A    |          |
| charging method                               | Lead Acid Battery: CC (Quick Charge)-CV (Constant Voltage Charge)-CF (Float Charge) Li-Ion Battery: CC (Quick Charge)-CV (Constant Voltage Charge)                                         |       |         |          |
| Load characteristics                          |                                                                                                                                                                                            |       |         |          |
| load voltage                                  | Same as battery voltage                                                                                                                                                                    |       |         |          |
| Rated load current                            | 60A                                                                                                                                                                                        | 80A   | 100A    |          |
| load control mode                             | On/Off, Light Control Mode, Dual Time Period Timing Control Mode, Fixed Time Light Control Mode                                                                                            |       |         |          |
| Display & Communication                       |                                                                                                                                                                                            |       |         |          |
| Display                                       | Working status indicator or MH-M80 meter                                                                                                                                                   |       |         |          |
| communication                                 | Dual RJ45 interface/RS485 bus/host computer software/built-in Bluetooth/WIFI module mobile phone cloud monitoring (optional)                                                               |       |         |          |
| protocol                                      | Standard Modbus protocol & non-standard proprietary protocol                                                                                                                               |       |         |          |
| Other features                                |                                                                                                                                                                                            |       |         |          |
| How to set                                    | PC softwar / APP /Meter                                                                                                                                                                    |       |         |          |
| Protections                                   | Input / output overvoltage and undervoltage protection / input reverse connection protection / battery anti reverse connection protection / overheating protection / overcharge protection |       |         |          |
| Operating ambient temperature                 | -20℃~-+50℃                                                                                                                                                                                 |       |         |          |
| Storage temperature                           | -40℃~-+75℃                                                                                                                                                                                 |       |         |          |
| IP(Ingress protection)                        | IP21                                                                                                                                                                                       |       |         |          |
| Recommended breaker for battery               | ≥80A                                                                                                                                                                                       | ≥100A | ≥125A   |          |
| net weight                                    | 17kg                                                                                                                                                                                       |       |         |          |
| Gross weight                                  | 23.5kg                                                                                                                                                                                     |       |         |          |
| Product Size                                  | 313*540*187MM                                                                                                                                                                              |       |         |          |
| Package dimensions                            | 635*430*295MM( wooden box)                                                                                                                                                                 |       |         |          |



# Applicable scenarios



Photovoltaic power station



Project



Photovoltaic energy storage system



Intelligent Microgrid

## Product Size two

| Product item                                  | GS120L60                                                                                                                                                                                   |       | GS120L80 | GS120L100 |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------|-----------|
| Product Category                              |                                                                                                                                                                                            |       |          |           |
| Controller type                               | Solar Charge Controller with Maximum Power Point Tracking (MPPT)                                                                                                                           |       |          |           |
| Maximum Power Point Tracking Efficiency       | ≥99.5%                                                                                                                                                                                     |       |          |           |
| Cooling method                                | forced air cooling                                                                                                                                                                         |       |          |           |
| Lead-acid battery system voltage range        | 90V~150V                                                                                                                                                                                   |       |          |           |
| Lithium-ion battery system                    | 120V                                                                                                                                                                                       |       |          |           |
| Input characteristics                         |                                                                                                                                                                                            |       |          |           |
| Maximum input voltage(Voc.Max)                | 430VDC                                                                                                                                                                                     |       |          |           |
| Minimum MPPT voltage (Vmppt.min)              | Vbat + 10V                                                                                                                                                                                 |       |          |           |
| start charging voltage                        | Vbat + 20V                                                                                                                                                                                 |       |          |           |
| Input overvoltage protection/recovery voltage | 430VDC/425VDC                                                                                                                                                                              |       |          |           |
| Rated input power(W)                          | 7800                                                                                                                                                                                       | 10400 | 13000    |           |
| Charging characteristics                      |                                                                                                                                                                                            |       |          |           |
| Applicable battery type                       | Common lead-acid batteries (SEL, GEL, FLD) and custom lead-acid batteries, custom lithium iron phosphate, ternary lithium or other lithium-ion batteries                                   |       |          |           |
| Rated charging current                        | 60A                                                                                                                                                                                        | 80A   | 100A     |           |
| charging method                               | Lead Acid Battery: CC (Quick Charge)-CV (Constant Voltage Charge)-CF (Float Charge) Li-Ion Battery: CC (Quick Charge)-CV (Constant Voltage Charge)                                         |       |          |           |
| Load characteristics                          |                                                                                                                                                                                            |       |          |           |
| load voltage                                  | Same as battery voltage                                                                                                                                                                    |       |          |           |
| Rated load current                            | 60A                                                                                                                                                                                        | 80A   | 100A     |           |
| load control mode                             | On/Off, Light Control Mode, Dual Time Period Timing Control Mode, Fixed Time Light Control Mode                                                                                            |       |          |           |
| Display & Communication                       |                                                                                                                                                                                            |       |          |           |
| Display                                       | Working status indicator or MH-M80 meter                                                                                                                                                   |       |          |           |
| communication                                 | Dual RJ45 interface/RS485 bus/host computer software/built-in Bluetooth/WIFI module mobile phone cloud monitoring (optional)                                                               |       |          |           |
| protocol                                      | Standard Modbus protocol & non-standard proprietary protocol                                                                                                                               |       |          |           |
| Other features                                |                                                                                                                                                                                            |       |          |           |
| How to set                                    | PC softwar / APP /Meter                                                                                                                                                                    |       |          |           |
| Protections                                   | Input / output overvoltage and undervoltage protection / input reverse connection protection / battery anti reverse connection protection / overheating protection / overcharge protection |       |          |           |
| Operating ambient temperature                 | -20℃~-+50℃                                                                                                                                                                                 |       |          |           |
| Storage temperature                           | -40℃~-+75℃                                                                                                                                                                                 |       |          |           |
| IP(Ingress protection)                        | IP21                                                                                                                                                                                       |       |          |           |
| Recommended breaker for battery               | ≥80A                                                                                                                                                                                       | ≥100A | ≥125A    |           |
| net weight                                    | 17kg                                                                                                                                                                                       |       |          |           |
| Gross weight                                  | 23.5kg                                                                                                                                                                                     |       |          |           |
| Product Size                                  | 313*540*187MM                                                                                                                                                                              |       |          |           |
| Package dimensions                            | 635*430*295MM( wooden box)                                                                                                                                                                 |       |          |           |

# Applicable scenarios



Photovoltaic power station



Project



Photovoltaic energy storage system



Intelligent Microgrid

## Product Size three

| Product item                                  | GS144L60                                                                                                                                                                                   | GS144L80 | GS180L60  | GS180L80 |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|----------|
| Product Category                              |                                                                                                                                                                                            |          |           |          |
| Controller type                               | Solar Charge Controller with Maximum Power Point Tracking (MPPT)                                                                                                                           |          |           |          |
| Maximum Power Point Tracking Efficiency       | ≥99.5%                                                                                                                                                                                     |          |           |          |
| Cooling method                                | forced air cooling                                                                                                                                                                         |          |           |          |
| Lead-acid battery system voltage range        | 108V~180V                                                                                                                                                                                  |          | 135V~225V |          |
| Lithium-ion battery system                    | 144V                                                                                                                                                                                       |          | 180V      |          |
| Input characteristics                         |                                                                                                                                                                                            |          |           |          |
| Maximum input voltage(Voc.Max)                | 430VDC                                                                                                                                                                                     |          |           |          |
| Minimum MPPT voltage (Vmppt.min)              | Vbat + 10V                                                                                                                                                                                 |          |           |          |
| start charging voltage                        | Vbat + 20V                                                                                                                                                                                 |          |           |          |
| Input overvoltage protection/recovery voltage | 430VDC/425VDC                                                                                                                                                                              |          |           |          |
| Rated input power(W)                          | 9360                                                                                                                                                                                       | 12480    | 11700     | 15600    |
| Charging characteristics                      |                                                                                                                                                                                            |          |           |          |
| Applicable battery type                       | Common lead-acid batteries (SEL, GEL, FLD) and custom lead-acid batteries, custom lithium iron phosphate, ternary lithium or other lithium-ion batteries                                   |          |           |          |
| Rated charging current                        | 60A                                                                                                                                                                                        | 80A      | 60A       | 80A      |
| charging method                               | Lead Acid Battery: CC (Quick Charge)-CV (Constant Voltage Charge)-CF (Float Charge) Li-Ion Battery: CC (Quick Charge)-CV (Constant Voltage Charge)                                         |          |           |          |
| Load characteristics                          |                                                                                                                                                                                            |          |           |          |
| load voltage                                  | Same as battery voltage                                                                                                                                                                    |          |           |          |
| Rated load current                            | 60A                                                                                                                                                                                        | 80A      | 60A       | 80A      |
| load control mode                             | On/Off, Light Control Mode, Dual Time Period Timing Control Mode, Fixed Time Light Control Mode                                                                                            |          |           |          |
| Display & Communication                       |                                                                                                                                                                                            |          |           |          |
| Display                                       | Working status indicator or MH-M80 meter                                                                                                                                                   |          |           |          |
| communication                                 | Dual RJ45 interface/RS485 bus/host computer software/built-in Bluetooth/WIFI module mobile phone cloud monitoring (optional)                                                               |          |           |          |
| protocol                                      | Standard Modbus protocol & non-standard proprietary protocol                                                                                                                               |          |           |          |
| Other features                                |                                                                                                                                                                                            |          |           |          |
| How to set                                    | PC softwar / APP /Meter                                                                                                                                                                    |          |           |          |
| Protections                                   | Input / output overvoltage and undervoltage protection / input reverse connection protection / battery anti reverse connection protection / overheating protection / overcharge protection |          |           |          |
| Operating ambient temperature                 | -20°C~+50°C                                                                                                                                                                                |          |           |          |
| Storage temperature                           | -40°C~+75°C                                                                                                                                                                                |          |           |          |
| IP(Ingress protection)                        | IP21                                                                                                                                                                                       |          |           |          |
| Recommended breaker for battery               | ≥80A                                                                                                                                                                                       | ≥100A    | ≥80A      | ≥100A    |
| net weight                                    | 17kg                                                                                                                                                                                       |          |           |          |
| Gross weight                                  | 23.5kg                                                                                                                                                                                     |          |           |          |
| Product Size                                  | 313*540*187MM                                                                                                                                                                              |          |           |          |
| Package dimensions                            | 635*430*295MM( wooden box)                                                                                                                                                                 |          |           |          |



# Applicable scenarios



Photovoltaic power station



Project



Photovoltaic energy storage system



Intelligent Microgrid

## Product Size four

| Product item                                  | GS192L50                                                                                                                                                                                   | GS192L60 | GS216L50  | GS216L60 | GS240L50  | GS240L60 |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|----------|-----------|----------|
| Product Category                              |                                                                                                                                                                                            |          |           |          |           |          |
| Controller type                               | Solar Charge Controller with Maximum Power Point Tracking (MPPT)                                                                                                                           |          |           |          |           |          |
| Maximum Power Point Tracking Efficiency       | ≥99.5%                                                                                                                                                                                     |          |           |          |           |          |
| Cooling method                                | forced air cooling                                                                                                                                                                         |          |           |          |           |          |
| Lead-acid battery system voltage range        | 144V~240V                                                                                                                                                                                  |          | 162V~270V |          | 180V~300V |          |
| Lithium-ion battery system                    | 192V                                                                                                                                                                                       |          | 216V      |          | 240V      |          |
| Input characteristics                         |                                                                                                                                                                                            |          |           |          |           |          |
| Maximum input voltage(Voc.Max)                | 430VDC                                                                                                                                                                                     |          |           |          |           |          |
| Minimum MPPT voltage (Vmppt.min)              | Vbat + 10V                                                                                                                                                                                 |          |           |          |           |          |
| start charging voltage                        | Vbat + 20V                                                                                                                                                                                 |          |           |          |           |          |
| Input overvoltage protection/recovery voltage | 430VDC/425VDC                                                                                                                                                                              |          |           |          |           |          |
| Rated input power(W)                          | 10400                                                                                                                                                                                      | 12480    | 11700     | 14040    | 13000     | 15600    |
| Charging characteristics                      |                                                                                                                                                                                            |          |           |          |           |          |
| Applicable battery type                       | Common lead-acid batteries (SEL, GEL, FLD) and custom lead-acid batteries, custom lithium iron phosphate, ternary lithium or other lithium-ion batteries                                   |          |           |          |           |          |
| Rated charging current                        | 50A                                                                                                                                                                                        | 60A      | 50A       | 60A      | 50A       | 60A      |
| charging method                               | Lead Acid Battery: CC (Quick Charge)-CV (Constant Voltage Charge)-CF (Float Charge) Li-Ion Battery: CC (Quick Charge)-CV (Constant Voltage Charge)                                         |          |           |          |           |          |
| Load characteristics                          |                                                                                                                                                                                            |          |           |          |           |          |
| load voltage                                  | Same as battery voltage                                                                                                                                                                    |          |           |          |           |          |
| Rated load current                            | 50A                                                                                                                                                                                        | 60A      | 50A       | 60A      | 50A       | 60A      |
| load control mode                             | On/Off, Light Control Mode, Dual Time Period Timing Control Mode, Fixed Time Light Control Mode                                                                                            |          |           |          |           |          |
| Display & Communication                       |                                                                                                                                                                                            |          |           |          |           |          |
| Display                                       | Working status indicator or MH-M80 meter                                                                                                                                                   |          |           |          |           |          |
| communication                                 | Dual RJ45 interface/RS485 bus/host computer software/built-in Bluetooth/WIFI module mobile phone cloud monitoring (optional)                                                               |          |           |          |           |          |
| protocol                                      | Standard Modbus protocol & non-standard proprietary protocol                                                                                                                               |          |           |          |           |          |
| Other features                                |                                                                                                                                                                                            |          |           |          |           |          |
| How to set                                    | PC softwar / APP /Meter                                                                                                                                                                    |          |           |          |           |          |
| Protections                                   | Input / output overvoltage and undervoltage protection / input reverse connection protection / battery anti reverse connection protection / overheating protection / overcharge protection |          |           |          |           |          |
| Operating ambient temperature                 | -20℃~+50℃                                                                                                                                                                                  |          |           |          |           |          |
| Storage temperature                           | -40℃~+75℃                                                                                                                                                                                  |          |           |          |           |          |
| IP(Ingress protection)                        | IP21                                                                                                                                                                                       |          |           |          |           |          |
| Recommended breaker for battery               | ≥80A                                                                                                                                                                                       |          |           |          |           |          |
| net weight                                    | 17kg                                                                                                                                                                                       |          |           |          |           |          |
| Gross weight                                  | 23.5kg                                                                                                                                                                                     |          |           |          |           |          |
| Product Size                                  | 313*540*187MM                                                                                                                                                                              |          |           |          |           |          |
| Package dimensions                            | 635*430*295MM( wooden box)                                                                                                                                                                 |          |           |          |           |          |

# Applicable scenarios



Photovoltaic power station



Project



Photovoltaic energy storage system



Intelligent Microgrid

## Product Size ve

| Product item                                  | GS192H100                                                                                                                                                                                  | GS216H80  | GS216H100 | GS240H80  | GS240H100 |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|-----------|-----------|
| Product Category                              |                                                                                                                                                                                            |           |           |           |           |
| Controller type                               | Solar Charge Controller with Maximum Power Point Tracking (MPPT)                                                                                                                           |           |           |           |           |
| Maximum Power Point Tracking Efficiency       | 99.50%                                                                                                                                                                                     |           |           |           |           |
| Cooling method                                | forced air cooling                                                                                                                                                                         |           |           |           |           |
| Lead-acid battery system voltage range        | 144V~240V                                                                                                                                                                                  | 162V~270V |           | 180V~300V |           |
| Lithium-ion battery system                    | 192V                                                                                                                                                                                       | 216V      |           | 240V      |           |
| Input characteristics                         |                                                                                                                                                                                            |           |           |           |           |
| Maximum input voltage(Voc.Max)                | 660VDC                                                                                                                                                                                     |           |           |           |           |
| Minimum MPPT voltage (Vmppt.min)              | Vbat + 10V                                                                                                                                                                                 |           |           |           |           |
| start charging voltage                        | Vbat + 20V                                                                                                                                                                                 |           |           |           |           |
| Input overvoltage protection/recovery voltage | 660VDC/655VDC                                                                                                                                                                              |           |           |           |           |
| Rated input power(W)                          | 20800                                                                                                                                                                                      | 18720     | 23400     | 20800     | 26000     |
| Charging characteristics                      |                                                                                                                                                                                            |           |           |           |           |
| Applicable battery type                       | Common lead-acid batteries (SEL, GEL, FLD) and custom lead-acid batteries, custom lithium iron phosphate, ternary lithium or other lithium-ion batteries                                   |           |           |           |           |
| Rated charging current                        | 100A                                                                                                                                                                                       | 80A       | 100A      | 80A       | 100A      |
| charging method                               | Lead Acid Battery: CC (Quick Charge)-CV (Constant Voltage Charge)-CF (Float Charge) Li-Ion Battery: CC (Quick Charge)-CV (Constant Voltage Charge)                                         |           |           |           |           |
| Load characteristics                          |                                                                                                                                                                                            |           |           |           |           |
| load voltage                                  | Same as battery voltage                                                                                                                                                                    |           |           |           |           |
| Rated load current                            | Measurable range: 0~100A                                                                                                                                                                   |           |           |           |           |
| load control mode                             | Normally open                                                                                                                                                                              |           |           |           |           |
| Display & Communication                       |                                                                                                                                                                                            |           |           |           |           |
| Display                                       | Working status indicator or MH-M80 meter                                                                                                                                                   |           |           |           |           |
| communication                                 | Dual RJ45 interface/RS485 bus/host computer software/built-in Bluetooth/WIFI module mobile phone cloud monitoring (optional)                                                               |           |           |           |           |
| protocol                                      | Standard Modbus protocol & non-standard proprietary protocol                                                                                                                               |           |           |           |           |
| Other features                                |                                                                                                                                                                                            |           |           |           |           |
| How to set                                    | PC softwar / APP /Meter                                                                                                                                                                    |           |           |           |           |
| Protections                                   | Input / output overvoltage and undervoltage protection / input reverse connection protection / battery anti reverse connection protection / overheating protection / overcharge protection |           |           |           |           |
| Operating ambient temperature                 | -20℃~+50℃                                                                                                                                                                                  |           |           |           |           |
| Storage temperature                           | -40℃~+75℃                                                                                                                                                                                  |           |           |           |           |
| IP(Ingress protection)                        | IP21                                                                                                                                                                                       |           |           |           |           |
| Recommended breaker for battery               | ≥125A                                                                                                                                                                                      | ≥100A     | ≥125A     | ≥100A     | ≥125A     |
| net weight                                    | 23kg                                                                                                                                                                                       |           |           |           |           |
| Gross weight                                  | 30kg                                                                                                                                                                                       |           |           |           |           |
| Product Size                                  | 340*522*222MM                                                                                                                                                                              |           |           |           |           |
| Package dimensions                            | 620*450*335MM( wooden box)                                                                                                                                                                 |           |           |           |           |



# Applicable scenarios



Photovoltaic power station



Project



Photovoltaic energy storage system



Intelligent Microgrid

## Product Size six

| Product item                                  | GS360H80                                                                                                                                                                                   | GS384H80  | GS384H100 | GS480H60  | GS480H80 |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|-----------|----------|
| Product Category                              |                                                                                                                                                                                            |           |           |           |          |
| Controller type                               | Solar Charge Controller with Maximum Power Point Tracking (MPPT)                                                                                                                           |           |           |           |          |
| Maximum Power Point Tracking Efficiency       | 99.50%                                                                                                                                                                                     |           |           |           |          |
| Cooling method                                | forced air cooling                                                                                                                                                                         |           |           |           |          |
| Lead-acid battery system voltage range        | 270V~450V                                                                                                                                                                                  | 288V~480V |           | 360V~600V |          |
| Lithium-ion battery system                    | 360V                                                                                                                                                                                       | 384V      |           | 480V      |          |
| Input characteristics                         |                                                                                                                                                                                            |           |           |           |          |
| Maximum input voltage(Voc.Max)                | 850VDC                                                                                                                                                                                     |           |           |           |          |
| Minimum MPPT voltage (Vmppt.min)              | Vbat + 10V                                                                                                                                                                                 |           |           |           |          |
| start charging voltage                        | Vbat + 20V                                                                                                                                                                                 |           |           |           |          |
| Input overvoltage protection/recovery voltage | 850VDC/845VDC                                                                                                                                                                              |           |           |           |          |
| Rated input power(W)                          | 31200                                                                                                                                                                                      | 33280     | 41600     | 31200     | 41600    |
| Charging characteristics                      |                                                                                                                                                                                            |           |           |           |          |
| Applicable battery type                       | Common lead-acid batteries (SEL, GEL, FLD) and custom lead-acid batteries, custom lithium iron phosphate, ternary lithium or other lithium-ion batteries                                   |           |           |           |          |
| Rated charging current                        | 80A                                                                                                                                                                                        | 80A       | 100A      | 60A       | 80A      |
| charging method                               | Lead Acid Battery: CC (Quick Charge)-CV (Constant Voltage Charge)-CF (Float Charge) Li-Ion Battery: CC (Quick Charge)-CV (Constant Voltage Charge)                                         |           |           |           |          |
| Load characteristics                          |                                                                                                                                                                                            |           |           |           |          |
| load voltage                                  | Same as battery voltage                                                                                                                                                                    |           |           |           |          |
| Rated load current                            | Measurable range: 0~100A                                                                                                                                                                   |           |           |           |          |
| load control mode                             | Normally open                                                                                                                                                                              |           |           |           |          |
| Display & Communication                       |                                                                                                                                                                                            |           |           |           |          |
| Display                                       | Working status indicator or MH-M80 meter                                                                                                                                                   |           |           |           |          |
| communication                                 | Dual RJ45 interface/RS485 bus/host computer software/built-in Bluetooth/WIFI module mobile phone cloud monitoring (optional)                                                               |           |           |           |          |
| protocol                                      | Standard Modbus protocol & non-standard proprietary protocol                                                                                                                               |           |           |           |          |
| Other features                                |                                                                                                                                                                                            |           |           |           |          |
| How to set                                    | PC softwar / APP /Meter                                                                                                                                                                    |           |           |           |          |
| Protections                                   | Input / output overvoltage and undervoltage protection / input reverse connection protection / battery anti reverse connection protection / overheating protection / overcharge protection |           |           |           |          |
| Operating ambient temperature                 | -20℃~-+50℃                                                                                                                                                                                 |           |           |           |          |
| Storage temperature                           | -40℃~-+75℃                                                                                                                                                                                 |           |           |           |          |
| IP(Ingress protection)                        | IP21                                                                                                                                                                                       |           |           |           |          |
| Recommended breaker for battery               | ≥100A                                                                                                                                                                                      | ≥100A     | ≥125A     | ≥80A      | ≥100A    |
| net weight                                    | --                                                                                                                                                                                         |           |           |           |          |
| Gross weight                                  | --                                                                                                                                                                                         |           |           |           |          |
| Product Size                                  | 340*585*227MM                                                                                                                                                                              |           |           |           |          |
| Package dimensions                            | 680*450*335MM( wooden box)                                                                                                                                                                 |           |           |           |          |