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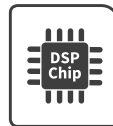
MPPT Solar heating controller

GWH03W

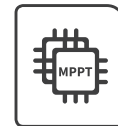


Product features

- Maximum power point tracking technology
- Advanced DSP control chip, smart control
- High voltage 420 V DC Max
- Low energy consumption
- Noiseless passive cooling
- Efficiency > 99 %
- Modern design with IP33 protection
- Temperature heating regulation from PV and AC



Advanced DSP
Control Chip



MPPT
Control



High
Efficiency



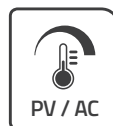
160-420 V
PV Input



IP33
Protection



Easy
Installation



Temperature
Regulation

Technical Data

| Model | GWH03W |
|-------------------------------------|---|
| Scope of application | The MPPT water heating controller is only suitable for heating resistive load through solar power, and the controller can only be used to connect resistive equipment or AC water heaters with utility heating power within 230V /4000 watts. |
| Photovoltaic Characteristics | |
| Solar Max. input power | 4000 W |
| Solar input current | ≤ 20 A |
| Solar input voltage range | 160 ~ 420 V DC |
| MPPT operating voltage range | 150 ~ 370 V DC |
| MPPT efficiency | > 99 % |
| Solar heating output voltage range | 0-260 V AC |
| Solar heating output current range | ≤ 20 A |
| AC Characteristics | |
| AC heating rated power | 4000 W |
| AC rated voltage | 230 V AC |
| AC working voltage range | 180 ~ 260 V AC |
| AC rated current | ≤ 20 A |
| Load Requirement | |
| Load | Load ≤ 230 V/4000 W the resistance value > 13 Ω |
| Machine Characteristics | |
| Machine dimensions | 195 x 183 x 100 mm |
| Package dimensions | 255 x 250 x 160 mm |
| Net weight | 2.4 kg |
| Gross weight | 2.9 kg |
| Ingress Protection | IP33 |
| LCD display | Displays the water temperature in the boiler, adjustable temperature range for solar and mains heating in the range of 35-80 °C. |
| Protections | Protection against overheating, overload or overvoltage in the network. |