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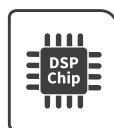
MPPT Solar heating controller

GWH04W

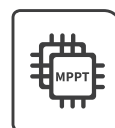


Product features

- Maximum power point tracking technology
- Advanced DSP control chip, smart control
- High voltage 500 V DC Max
- Low energy consumption
- Noiseless passive cooling
- Efficiency > 99 %
- Modern design with IP 65 protection
- Temperature heating regulation from PV and AC



Advanced DSP
Control Chip



MPPT
Control



High
Efficiency



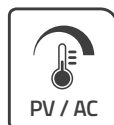
60-500 V
PV Input



IP 65
Protection



Easy
Installation



Temperature
Regulation

Technical Data

GWH04W	
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 230 V / 5000 watts.
Rated output power	5000 W
PV Input (DC)	
Max. PV Power	5260 W
Max. PV Array Open Circuit Voltage	500 V DC
MPPT Range @ Operating Voltage	60 ~ 450 V DC
Start-up Voltage	120 V DC
Max. PV Array Input Current	36 A DC
Max. PV Array Short Circuit Current	40 A DC
Number of MPP Tracker	1
PV Controller	
AC Output	
Wave	Square wave
Nominal Output Voltage	230 V AC (Output voltage dynamically adjusts with PV voltage)
Frequency Range	50 Hz / 60 Hz
Nominal Output Current	21.7 A AC
Maximum Conversion Efficiency (DC/AC)	99 %
Zátěž	Load $\leq$ 230 V/5000 W the resistance value $>$ 10.5 Ω
AC Bypass	
Grid Input	
Acceptable Input Voltage Range	90–280 V AC
Frequency Range	50 Hz / 60 Hz
Rating of AC fuse	50 A AC
General	
Dimension, D x W x H (mm)	308 x 188 x 100
Net Weight (kg)	3.4
Interface	
User Interface	LCD
External Temperature Sensor	Yes
Communication	WIFI
Environment	
Humidity	0 ~ 100% RH (No condensing)
Operating Temperature	-30 °C to 60 °C
Enclosure	IP 65