

MODEL	GWH03W-04291122
scope of application	The MPPT water heater controller is only suitable for heating resistance loads through solar energy, and this controller can only be used for connecting resistance equipment or AC water heaters with a heating power of 230V/4000W.
PHOTOVOLTAIC CHARACTERISTICS	
Solar Max. Input power	4000W
Solar input current	≤20A
Solar input voltage range	160Vdc~420Vdc
MPPT operating voltage range	150Vdc~370Vdc
MPPT efficiency	>99%
Solar heating output voltage range	0~260Vac
Solar heating output current range	≤20A
Recommend solar panel power	≤4000W
AC CHARACTERISTICS	
AC heating rated power	4000W
AC rated voltage	230Vac
AC working voltage range	180Vac~260Vac
AC rated current	≤20A
LOAD REQUIREMENT	
Load	It can be connected to 230Vac/4000W PTC resistance heating element, and the resistance value isn't less than 13 ohms.
MACHINE CHARACTERISTICS	
LCD display	The LCD display can display the temperature of the water tank, and the adjustable range of solar and mains heating temperature is 35-80 °C (factory default: solar heating is set to 70 °C, and mains heating is set to 45 °C).
Conversion method	Solar heating priority, when the solar input voltage is lower than 100Vdc, it switches to the

	mains. When the solar input voltage is higher than 150Vdc, MPPT starts working and outputs power .
Protection	Over-temperature protection, over-current protection, The mains over-voltage protection
Output terminal	PV IN, AC OUT, AC IN Water temperature detection probe interface
waterproof level	IP33
General	
Accessories	1*Temperature control probe, 1*User Manual
Machine dimensions	195*183*100 mm
Package dimensions	255*250*160 mm
Net weight	2.4 Kg
Gross weight	2.9 Kg