

## IP65 MPPT Solar Heating Controller 4KW



### Definition

The MPPT solar heating controller is designed for connecting to an electric water heater or resistive load.

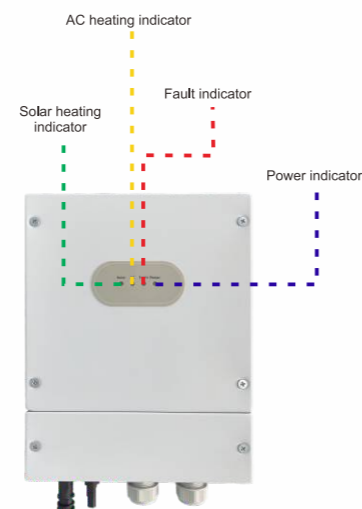
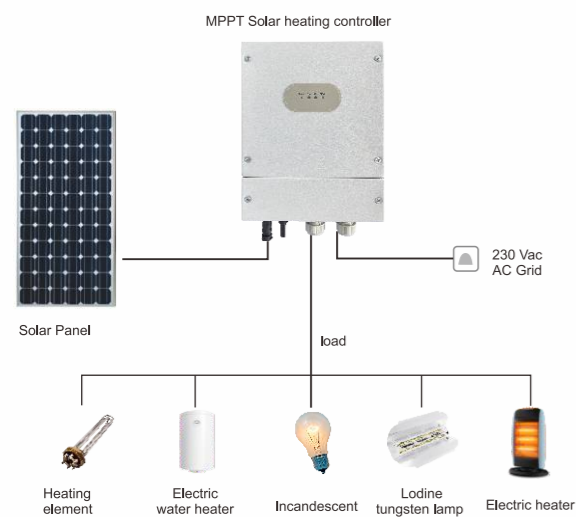
Solar heating first. If the solar energy is insufficient, and it will switch to utility smartly.

IP65 waterproof design, Indoor and Outdoor applications.

### Features

- Maximum power point tracking technology
- Efficiency>99%
- Advanced DSP control chip, smart control
- High voltage 350Vdc Max
- Low energy consumption
- Low temperature working
- IP65 design

### Application Diagram



### Technical Data

MODEL	SWHC-4K
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.
<b>PHOTOVOLTAIC CHARACTERISTICS</b>	
Solar Max. input power	4000 W
Solar input current	≤ 20 A
Solar input voltage range	160 Vdc ~ 350 Vdc
MPPT operating voltage range	120 Vdc ~ 340 Vdc
MPPT efficiency	>99%
Solar heating output voltage range	0 Vac ~ 260 Vac
Solar heating output current range	≤ 20 A
<b>AC CHARACTERISTICS</b>	
AC heating rated power	4000 W
AC rated voltage	230 Vac
AC working voltage range	180 Vac ~ 260 Vac
AC rated current	≤20A
<b>LOAD REQUIREMENT</b>	
Load	The load should not be higher than 230V/4000W, and the resistance value is not less than 13 ohms
<b>MACHINE CHARACTERISTICS</b>	
Machine dimensions	250*155*80 mm
Package dimensions	290*250*120 mm
Net weight	3 KG
Gross weight	3.6 KG
Ingress Protection	IP65