

iHot Solar Hot Water Controller



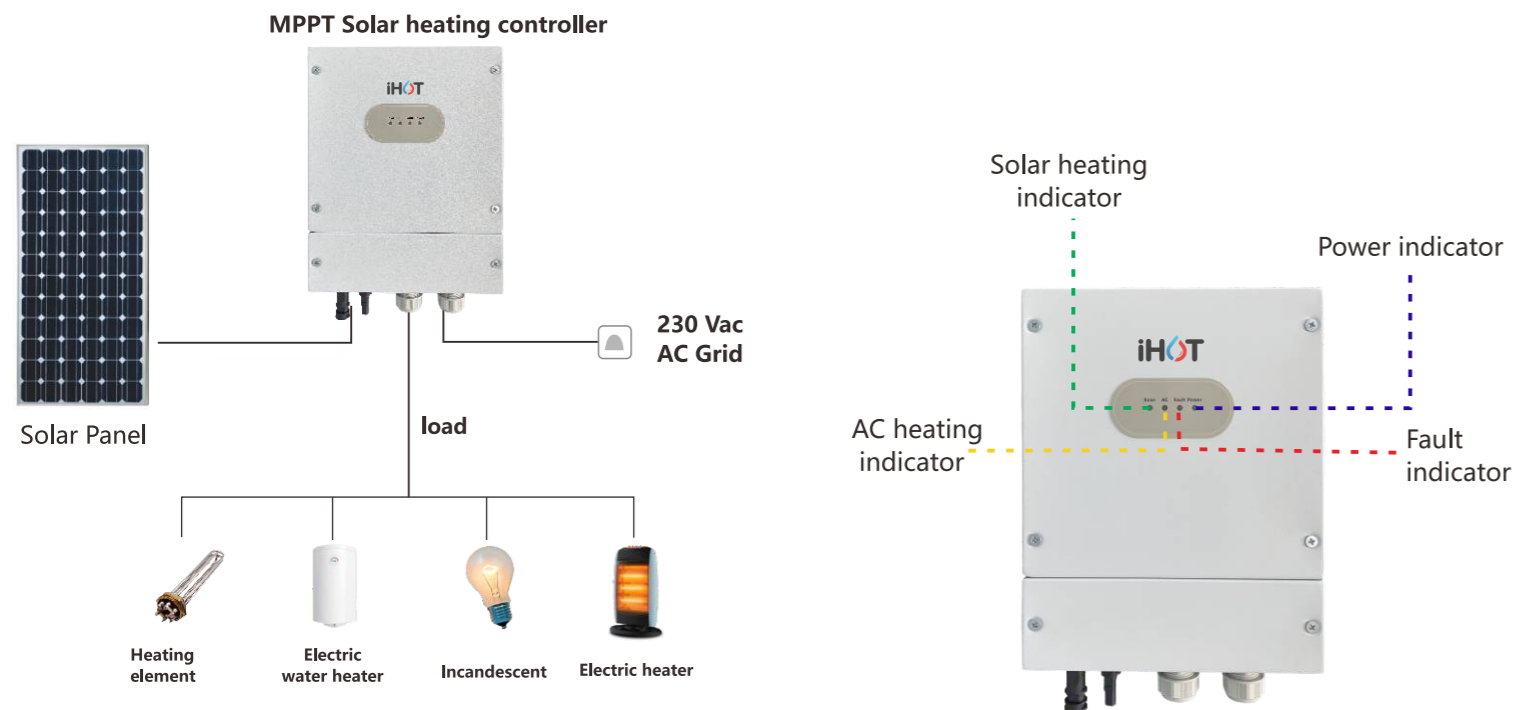
Features:

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

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.

Application Diagram



Technical Data

Model	iHot SWHC-4K
Scope of usage	The iHot Solar Hot Water Controller is only suitable for resistive loads and can only be connected to hot water systems with elements rated at up to 3.6kw Maximum.
Photovoltaic characteristics	
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
AC characteristics	
AC heating rated power	4000 W
AC rated voltage	230 Vac
AC working voltage range	180 Vac ~ 260 Vac
AC rated current	≤20A
Load Requirements	
Load	The element size must not exceed 230v/3600w or 3.6kw. The resistance value must be less than 13 Ohms.
General Characteristics	
Machine dimensions	250*155*80 mm
Package dimensions	290*250*120 mm
Net weight	3 KG
Gross weight	3.6 KG
Ingress Protection	IP65