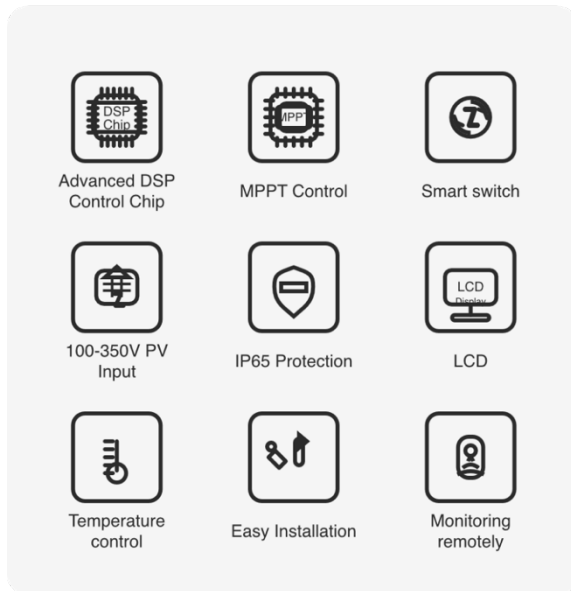


MPPT SOLAR HEATING CONTROL



1. WiFi Monitoring
2. Temperature Sensor
3. PV Input
4. AC Output
5. AC Input



Product Features

- Maximum Power Point Tracking (MPPT) technology
- Advanced DSP control chip, smart control
- Solar heating priority, automatic grid switching when solar is insufficient
- IP65 rated for both indoor and outdoor applications
- Water temperature sensing
- Manual Grid Heating Switch
- WiFi monitoring optional

Technical Data

Model	SWHC-3K MAX	SWHC-4K MAX	SWHC-3K MAX-W	SWHC-4K MAX-W
	The MPPT water heating controller is only suitable for powering resistive loads by means of solar power, and the controller load can only be used to connect resistance loads or AC heaters with ACgrid heating power within 230V/4000 watts.			
PVCharacteristics				
Solar maximum input power	3000 W	4000 W	3000 W	4000 W
Solarinput current	≤15 A	≤20 A	≤15 A	≤20 A
Solar input voltage range	115 Vdc- 300 Vdc	160 Vdc- 350 Vdc	115 Vdc- 300 Vdc	160 Vdc- 350 Vdc
MPPToperating voltage range	90 Vdc-280 Vdc	120 Vdc-340 Vdc	90 Vdc-280 Vdc	120 Vdc-340 Vdc
MPPTefficiency	>99%			
Solar heating output voltage range	0-260 Vac			
Solar heating output current range	≤15 A	≤20 A	≤15 A	≤20 A
ACCharacteristics				
ACheating rated power	4000 W	4000 W	4000 W	4000 W
ACrated voltage	230 Vac			
ACworking voltage range	180 Vac-260 Vac			
ACrated current	≤20 A	≤20 A	≤20 A	≤20 A
Loadrequirements				
Load	Load ≤ 230 V/ 3000 W, resistance > 13 Ω	Load ≤ 230 V/ 4000 W, resistance > 13 Ω	Load ≤ 230 V/ 3000 W, resistance > 13 Ω	Load ≤ 230 V/ 4000 W, resistance > 13 Ω
Equipmentcharacteristics				
LCDDisplay	Yes			
Maximum water temperature	Adjustable,30℃ - 80℃			
WiFi	No		Yes	
Temperature sensor	Yes, 4m			
Controller dimensions	258 x 190 x 85 mm			
Packagedimensions	305 x 244 x 162 mm			
Net weight	2.8 kg			
Gross weight	3.1 kg			
Ingressprotection	IP65			
Product specifications are subject to changewithout further notifications				