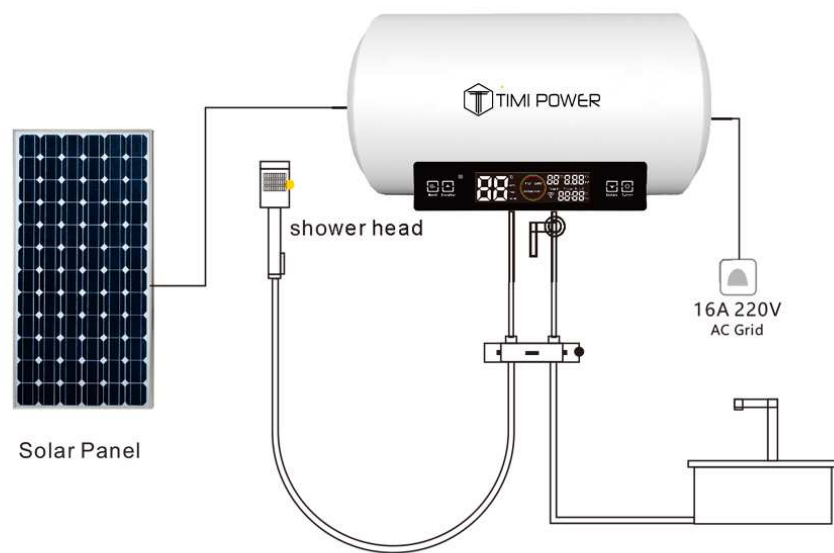


TimiHot SWH Series

Solar Water Heating System



WIFI Monitoring



Component



Solar Panel



Water tank



MPPT water heating controller

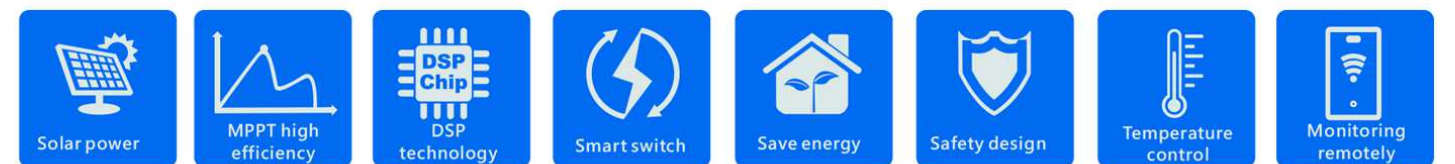


AC/DC heating element

SPECIFICATIONS

Model	SWH-H50L	SWH-H60L	SWH-H80L
Volume	50L	60L	80L
Solar			
Solar Max output power	1200w		
Recommmed solar panel	500w	600w	800w
Heating time 40°C	4 Hours		
Annual solar power Harvest	730 KWH	876 KWH	1168 KWH
Solar input voltage	160Vdc Max/25°C		
MPPT range	30Vdc-155Vdc		
AC			
AC heater power	2000w		
AC voltage	110v/220v		
Physical			
Monitoring	WIFI setting and monitoring (Option)		
Protection	Over temperture protection , leakage protection		
Inner tank material	Enamel		
Tank dimension	Φ390×785	Φ390×900	Φ440×835
Package dimension	530×440×915	530×440×1030	555×495×950
Net weight	19kg	21.5kg	26kg
Gross weight	20kg	23kg	28kg
Certificate	CE IEC62109		

- Photovoltaic power generation, low consumption and work at low temperature.
- MPPT controller technology, 99% of efficiency maximum the solar power harvest and convert to heat.
- Smart switching DC/AC control to cut the bill.
- Pressurized water tank, with 24H continuous hot water output, without waste of cold water.
- WIFI monitoring and remotely setting.
- Easy installation, maintenance and commissioning.

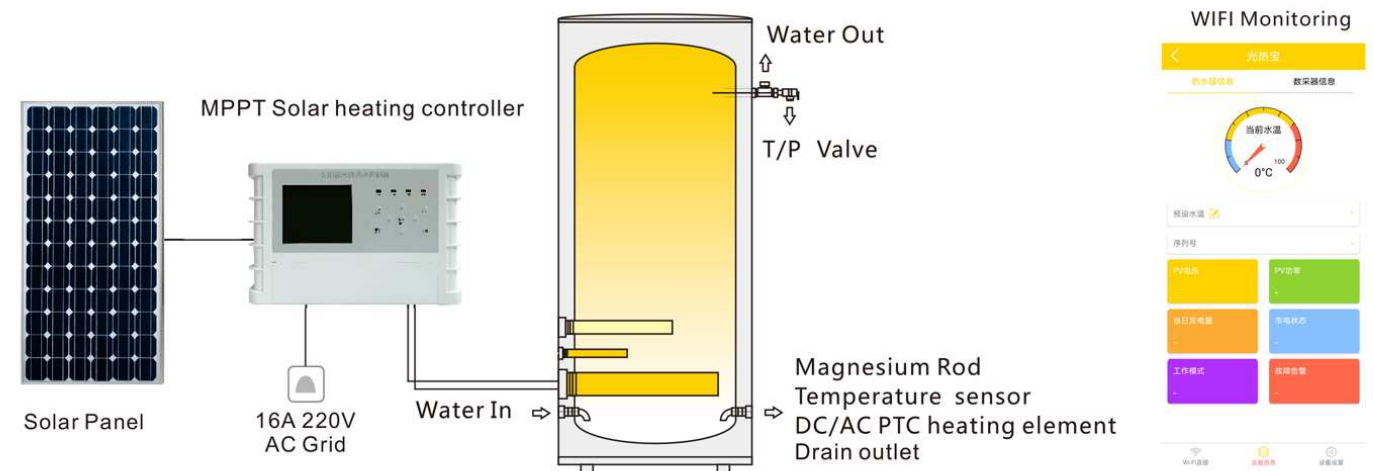


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TimiHot SWH Series

Solar Water Heating System



Component



Solar Panel



MPPT water heating controller



Pressurized water tank



DC/AC PTC heating element

SPECIFICATIONS

Model	SWH-V100L	SWH-V150L	SWH-V200L	SWH-V300L
Volume	100L	150L	200L	300L
Solar				
Solar Max output power	2000w			
Recommeded solar panel	1000W	1200W	1500W	2000W
Heating time 40°C	4 Hours	5 Hours	5.5 Hours	5 Hours
Annual solar power Harvest	1460 KWH	1752 KWH	2190 KWH	3504 KWH
Solar input voltage	160Vdc Max/25°C			
MPPT range	35Vdc-155Vdc			
AC				
AC heater power	1200W	2000W	2000W	2000W
AC voltage	220V			
Physical				
Monitoring	WIFI setting and monitoring (Option)			
Protection	Over temperture protection, leakage protection			
Inner tank material	Stainless Steel			
Package dimension	Ø640*640*800	Ø640*640*1070	Ø640*640*1240	Ø640*640*1885
Gross weight	25kg	33kg	41kg	53kg
Certificate	CE IEC62109			

Applying the MPPT & DSP controlling technology, the AC & DC dual PTC element is powered by the solar through MPPT solar heating controller. With AC Grid as the backup power, hot water supplied by AC Grid in rainy days. Minimize the AC consumption greatly.

- Photovoltaic power generation, low consumption and work at low temperature.
- MPPT controller technology, 99% of efficiency maximum the solar power harvest and convert to heat.
- Smart switching DC/AC control to cut the bill.
- Pressurized water tank, with 24H continuous hot water output, without waste of cold water.
- WIFI monitoring and remotely setting.
- Easy installation, maintenance and commissioning.



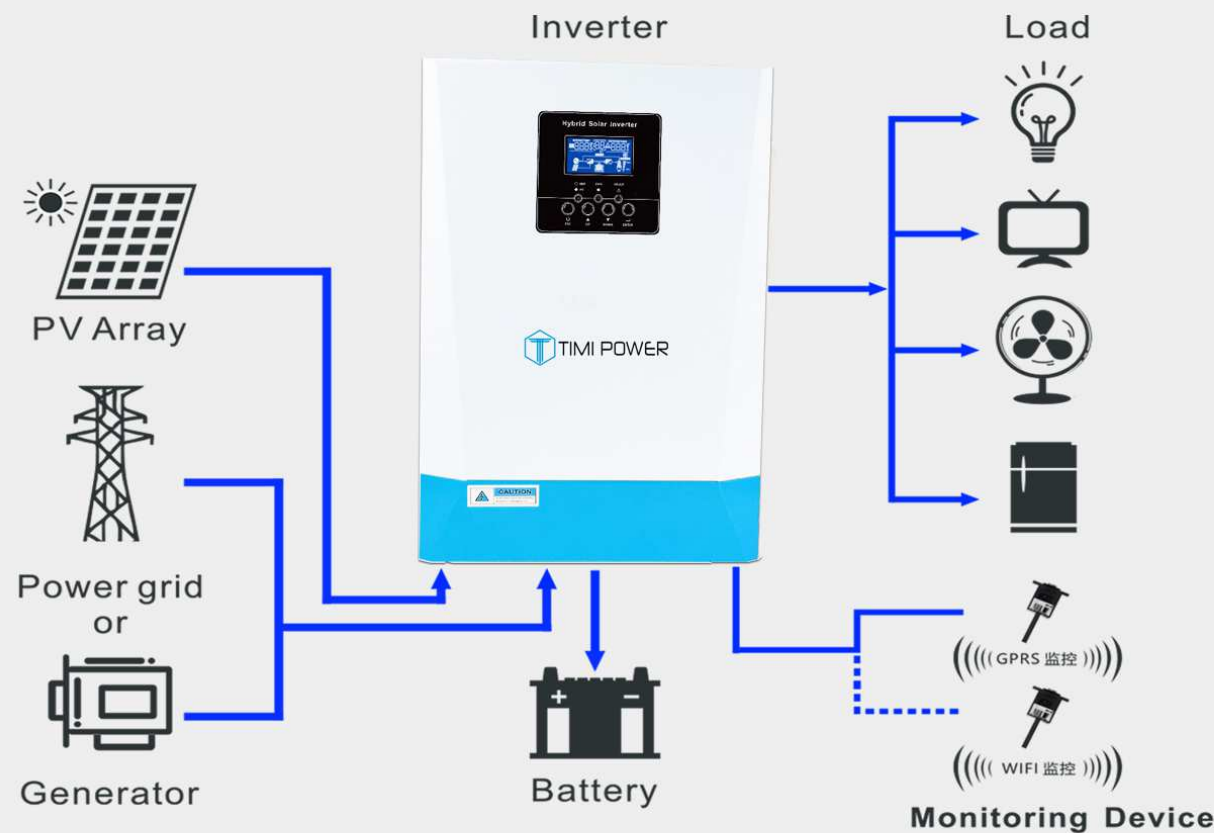
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TimiEra MH Series

Off Grid Solar Inverter

- ◆ Rated Power 3KW or 5KW
- ◆ Pure Sine Wave
- ◆ Inbuilt MPPT Controller
- ◆ Can Work With or Without Battery
- ◆ WiFi/GPRS Monitoring
- ◆ CAN/RS485 Communication
- ◆ Parallel Operation Up to 12 Units



SPECIFICATIONS

Model	TimiEra MH3000S-24	TimiEra MH5000S-48	TimiEra MH5000P-48
CAPACITY	3KVA/3KW	5KVA/5KW	5KVA/5KW
Parallel Capability	NO	NO	YES,12 units
INPUT			
Nominal Voltage	230VAC		
Acceptable Voltage Range	170-280VAC(For personal Computer);90-280VAC(For Home Appliances)		
Frequency	50/60 Hz (Auto sensing)		
OUTPUT			
Nominal Voltage	220/230VAC±5%		
Surge Power	6000VA	10000VA	10000VA
Frequency	50/60 Hz		
Waveform	Pure Sine wave		
Transfer Time	10ms(For personal Computer);20ms(For Home Appliances)		
Peak Efficiency (PV to INV)	97%		
Peak Efficiency (Battery to INV)	93%		
Overload Protection	5s@>=150% load; 10s@110%~150% load		
Crest Factor	3:1		
Admissible Power Factor	0.6~1 (inductive or capacitive)		
BATTERY			
Battery Voltage	24VDC	48VDC	48VDC
Floating Charge Voltage	27VDC	54VDC	54VDC
OverCharge Protection	33VDC	63VDC	63VDC
Charging Method	CC/CV		
Solar Charger & AC Charger			
Solar Charger TYPE	MPPT		
Max.PV Array Power	4000W	5000W	5000W
Max. PV Array Open Circuit Voltage	500VDC		
PV Array MPPT Voltage Range	120VDC~450VDC		
Max. Solar Input Current	15A	18A	18A
Max. Solar Charge Current	100A	80A	80A
Max. AC Charge Current	60A	60A	60A
Max. Charge Current	100A	80A	80A
PHYSICAL			
Dimensions, D x W x H(mm)	448x295x105		
Package Dimensions, D x W x H(mm)	565x380x190		
Net Weight (Kg)	9	10	10
Communication Interface	USB/RS232/Dry-contact		
ENVIRONMENT			
Operating Temperature Range	-10°C to 50°C		
Storage temperature	-15°C~ 60°C		
Humidity	5% to 95% Relative Humidity (Non-condensing)		