

Smart Hybrid Inverter

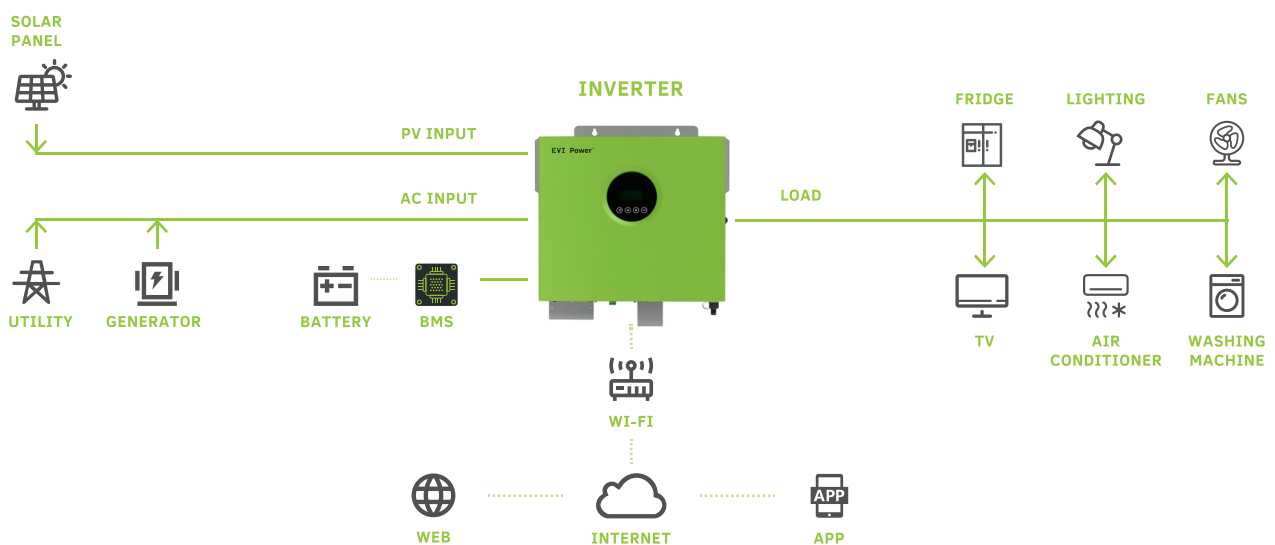
SOLARMAN SERIES

3600 VA (24 V), 3600 VA (48 V), 6000 VA (48 V)



Features

- Pure Sine Wave Inverter
- Single phase
- Inbuilt 18A (3.6kVA) and 22A (6kVA) MPPT Solar Charger
- Optional Wi-Fi Module for remote monitoring via mobile app
- Connect up to 6 units in parallel for increased capacity
- Communication port for BMS
- Works without batteries
- IP20 dust proof



Technical Specifications

Model	EVI-SM3600-24	EVI-SM3600-48	EVI-SM6000-48
Nominal Output Power	3600 W / 3600 VA	3600 W / 3600 VA	6000 W / 6000 VA
Maximum PV Input Power	4000 W	4000 W	6000 W
Maximum Charging Power	4000 W	4000 W	6000 W
GIRD INPUT (AC)			
Nominal Voltage	230 VAC		
Selectable Voltage Range	170 ~ 280 VAC (For Personal Computers); 90 ~ 280 VAC (For Home Appliances)		
Frequency	50 / 60 Hz (Auto Detection)		
Generator Input	Support		
PV INPUT (DC)			
Max PV Array Open Circuit Voltage Range	500 VDC	500 VDC	500 VDC
MPPT Voltage Range	120 VDC ~ 450 VDC	120 VDC ~ 450 VDC	120 VDC ~ 450 VDC
Number of MPPT Trackers	1	1	1
BATTERY & CHARGER			
Battery Voltage (V)	24 V	48 V	48 V
Maximum AC Charge Current	120 A	60 A	120 A
Maximum Solar Charge Current	120 A	60 A	120 A
Maximum Charge Current	120 A	60 A	120 A
BATTERY MODE OUTPUT (AC)			
Nominal Voltage	220 / 230 / 240 VDC (Settable)		
Nominal Frequency	50 / 60 Hz (Settable)		
Waveform	Pure Sinewave		
GENERAL			
Display	LCD & LED		
Communication Interface	RS485 / Dry Contact / RS232 / USB / WiFi / CAN (Optional)		
Dimensions, D x W x H (mm)	350 x 420 x 114		
Net Weight	9.5 kg		11.5 kg
OPERATING ENVIRONMENT			
Operating Temperature	-10 °C ~ 50 °C		
Storage Temperature	-15 °C ~ 60 °C		
Relative Humidity	5 % ~ 95 % (Non-condensing)		
Protection Degree	IP20		
Protection	Output overload, Input high voltage, Short circuit, Over discharge, Over charge		
COMPLIANCE			
Safety	IEC/EN62109-1, IEC/EN62109-2		
EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4		

Specifications are subject to change without prior notice.