

Off-Grid Solar Inverter

Single Phase - Indoor - High Frequency

Model: MR-SPF8000 / 11000 TWIN (Version 1)

- Dual outputs, for smart load management
- Maximum PV input current increases to 27A
- Status indication with RGB lights
- Built-in Wi-Fi for mobile monitoring (Android/iOS App available)
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Replaceable fan design for ease of maintenance
- Battery independent design
- Selectable high power charging current
- Compatible to Utility Mains or generator input
- Built-in anti-dust kit
- Optional DC output for DC fan, LED bulb and so on (only for 8K model)
- Parallel operation with 6 units



SPECIFICATIONS

MODEL	MR-SPF8000 (Version 1)	MR-SPF11000 (Version 1)
RATED POWER	8000VA / 8000W	11000VA / 11000W
PARALLEL CAPABILITY	YES, 6 units	
INPUT		
Voltage	230VAC	
Selectable Voltage Range	170 – 280 VAC (For Personal Computers) / 90 – 280 VAC (For Home Appliances)	
Frequency Range	50Hz / 60Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC ± 10%	
Surge Power	16000VA	22000VA
Efficiency (Peak)	93%	
Transfer Time	10 ms (For Personal Computers) / 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
Optional DC Voltage	12VDC ± 5%, 100W	N / A
BATTERY		
Battery Voltage	48VDC	48VDC
Floating Charge Voltage	54VDC	54VDC
Overcharge Protection	66VDC	63VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger type	MPPT	
Maximum PV Array Power	8000W (4000*2)	11000W (5500*2)
MPPT Range @ Operating Voltage	90 – 450VDC	90 – 450VDC
Maximum PV Array Open Circuit Voltage	500VDC	500VDC
Maximum PV Input Current	27A x 2 (MAX 40A)	
Maximum Solar Charge Current	120A	150A
Maximum AC Charge Current	120A	150A
Maximum Charge Current	120A	150A
PHYSICAL		
Dimension, D x W x H (mm)	147.4 x 432.5 x 553.6	
Net Weight (kgs)	18.4	
WiFi frequency	2.4GHz	
Communication Interface	USB / RS232 / RS485 / WiFi / Dry-contact	
ENVIRONMENT		
Humidity	5% – 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C – 50°C	
Storage Temperature	-15°C – 60°C	

Specifications are subject to change without notice, all product drawings are for reference only.