Off-Grid Solar Inverter

Single Phase - IP20 - High Frequency

Model: MR-SPF8000 / 11000 TWIN (Version 2)

FEATURES

- 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
- Configurable AC/PV output usage timer and prioritization
- Compatible to Utility Mains or generator input
- Built-in anti-dust kit
- Built-in DC output for DC fan, LED bulb, router and so on
- Parallel operation with 6 units

SPECIFICATIONS

MODEL	MR-SPF8000 TWIN (Version 2)	MR-SPF11000 TWIN (Version 2)
RATED POWER	8000VA / 8000W	11000VA / 11000W
PARALLEL CAPABILITY	Yes, 6 units	
INPUT		
Nominal Input Voltage	230VAC	
Input Voltage Range (Selectable)	170 – 280VAC (For PC); 90 – 280VAC (For Home Appliances)	
Nominal Input Frequency	50Hz / 60Hz (Auto sensing)	
OUTPUT		
Output Voltage Regulation	230VAC ± 5%	
Nominal Output Frequency	50Hz / 60Hz	
Waveform	Pure sine wave	
Transfer Time	10ms (For PC); 20ms (For Home Appliances)	
Surge Power	16000VA	22000VA
Peak Efficiency	95% at Line mode, 93% at Inverter mode	
DC Output	12VDC ± 5W, 100W	
BATTERY		
Nominal Battery Voltage	48VDC	48VDC
Floating Charging Voltage	54VDC	54VDC
Overcharge Protection	66VDC	63VDC
AC CHARGING & MPPT SOLAR CHARGING		
AC Charging Algorithm	3 step	
Max. PV Array Power	8000W (4000W*2)	11000W (5500W*2)
MPPT Operating Voltage Range	90 – 450VDC	
Max. PV Array Open Circuit Voltage	500VDC	
Max. PV Input Current	27A*2 (MAX. 40A)	
Max. AC Charging Current	120A	150A
Max. Charging Current	150A	150A
PHYSICAL & COMMUNICATION		
Dimension, D x W x H (mm)	158.4 × 503.6 × 530.8	
Net Weight (kg)	20	
Communication Interface	USB, RS232, BMS, WiFi, Dry-contact	
ENVIRONMENT		
Humidity	5% – 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	