



New Series
Sigma Plus
High Frequency MPPT
Hybrid Solar Inverter



**SOLAR INVERTER
MODEL & SPECIFICATION**

FEATURES

Continuous Working Solar Inverter without Battery

- > Status indication with RGB lights
- > Maximum PV input current 27A
- > Dual output for smart load management
- > Built-in Wi-Fi for mobile monitoring (Android/iOS App is 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
- > Selectable high power charging current
- > Selectable input voltage range for home appliances and personal computers
- > Compatible to Utility Mains or generator input
- > Built-in anti-dust kit
- > Optional DC output for DC fan, LED bulb, router and so on (only for 8K model)
- > Parallel operation with 6 units

SIGMA PLUS 8KVA/11KVA SOLAR INVERTER SPECIFICATION

MODEL	SIGMA PLUS 8KW	SIGMA PLUS 11KW
Rated Power	8000VA/8000W	11000VA/11000W
Parallel Capability	YES, 6 units	
INPUT		
Voltage	230 VAC	
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%	
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	12 VDC ± 5%, 100W	N/A
BATTERY		
Battery Voltage	48 VDC	48 VDC
Floating Charge Voltage	54 VDC	54 VDC
Overcharge Protection	66 VDC	63 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	MPPT
Maximum PV Array Power	11000W (5500W x 2)	12000W (6000W x 2)
MPPT Range @ Operating Voltage	90 ~ 450 VDC	
Maximum PV Array Open Circuit Voltage	500 VDC	
Maximum PV Input Current	27A x 2(MAX 40A)	
Maximum Solar Charge Current	120 A	150 A
Maximum AC Charge Current	120 A	150 A
Maximum Charge Current	120 A	150 A
PHYSICAL		
Dimension, D x W x H (mm)	147.4 x 432.5 x 553.6	
Net Weight (kgs)	18.4	
Communication Interface	USB/RS232/RS485/WiFi/Dry-contact	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	
STANDARD		
Compliance Safety	CE	

Product specifications are subject to change without further notice