SUN5-13KVA MPPT Off-Grid HYBRID INVERTER

- Statusindication with RGB lights
- Dualoutputs for smart load management
- Upgrade maximum PV current to 60A for 12K model
- Built-in WiFi with APP for mobile monitoring and OTA firmware
- Supports USB On-the-Go function
- Built-in BMS communication port
- Built-in meter calibration for optimized system operation
- Battery independent design
- Built-in anti-dust kit
- Optional DC output for DC fan, LED bulb, router and so on
- Parallel operation with 6 units



MODEL	SUN5 13K HV MPPT
RATED POWER	13000VA/13000W
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	26000VA
Efficiency (Peak)	93%
Transfer Time	10 ms (For Personal Computers), 20 ms (For Home Appliances)
Waveform	Pure sine wave
Optional DC Voltage	N/A
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	63 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	18000W (Max. 12000W per tracker)
MPPT Range @ Operating Voltage	90 ~ 450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum PV Input Current	40A/27A (MAX 60A)
Maxmum Solar Charge Current	200A
Maximum AC Charge Current	200A
Maximum Charge Current	200A
PHYSICAL	
Dimension, D x W x H (mm)	147.4 x 432.5 x 553.6
Net Weight (kgs)	20
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	IEC 62109, IEC 61683, EN/IEC 61000-6-2, 61000-6-4, 61000-3-11, 61000-3-12