

SUNON PRO/SUNON PLUS 3.5KW 5.5KW Off Grid MPPT Solar Inverter

Removable LCD

SUNON PLUS

MAIN FEATURES

- With 100A MPPT Solar Charge Controller Built-in
- With High PV Input Voltage Range(120-500VDC)
- Efficiently Work With or Without Battery
- With WIFI Function Optional
- With Touch Button on the LCD Display
- Optional for SUNON PLUS 3.5K/5.5K with local wifi and removable LCD

Solar System Connection



IT CAN WORK WITH OR WITHOUT BATTERY

TECHNICAL PARAMETER

MODEL	SUNON PRO/SUNON PLUS 3. 5K	SUNON PRO/SUNON PLUS 5. 5K
The rated power	3500VA/3500W	5500VA/5500W
BATTERY		
Battery Voltage	24 VDC	48 VDC
Low Battery Alarming Voltage	22 VDC	44 VDC
Low Battery Cut off Protection Voltage	21 VDC	42 VDC
Low Battery Recovery Voltage	23 VDC	46 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	32 VDC	64 VDC
INPUT		
Voltage	230 VAC	
Selectable Voltage Range	90-280VAC (Appliances), 170-280VAC (UPS)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Ball. Mode)	230 VAC ± 5%	
Surge Power	7000VA	11000VA
No Load Current	1.0A	1.1A
Efficiency (Peak)	> 90%	
Transfer Time	10 ms (UPS) ; 20 ms (Appliances)	
Waveform	Pure sine wave	
MPPT SOLAR CHARGER & AC CHARGER		
Maximum PV Array Power	5000W	6000W
MPPT Range at Operation Vol.	120-450 VDC	
Maximum PV Array Open Circuit Vol.	500 VDC	
Number of MPPT Trackers / Max Output Current	100 A	
Maximum AC Charge Current	60 A	
Maximum Charge Current	100 A	
Maximum Efficiency	98%	
BEST PANEL CONFIGUTATION		
Best Panel Configuration	300Wp*9pcs* 36V(2700Wp)*2Parallel	330Wp*9pcs* 36V(2970Wp)*2Parallel
PHYSICAL		
Dimension, D*W*H (mm)	481*313*117	
Packing Size, D*W*H(mm)	543*394*204	
Net Weight (kgs)	9.8	10.5
Gross Weight (kgs)	11	11.7
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	0°C-50°C	