

★ **NEW PRODUCT** ★

**OREX**<sup>®</sup>  
FUTURE OF ENERGY

# **SUNON PRO SERIES HYBRID SOLAR INVERTER , WITH TOUCH BUTTON , HIGH FREQUENCY**



## **MAIN FEATURES**



- 1. Pure Sine Wave MPPT Solar Inverter**
- 2. With 100A MPPT Solar Charge Controller built-in**
- 3. With Touch Button on the LCD display**
- 4. Output Power Factor is 1.0**
- 5. It can work with or without battery**
- 6. With WIFI function optional**
- 7. With high PV input voltage range(120-500VDC)**
- 8. Smart battery charger and management for optimized battery performance**
- 9. Cold Start function**
- 10. Auto restart while AC is recovering**

TECHNICAL PARAMETER		
Model	<b>SUNON PRO 3.5K</b>	<b>SUNON PRO 5.5K</b>
The rated power	<b>3500VA/3500W</b>	<b>5500VA/5500W</b>
<b>INPUT</b>		
Voltage	230 VAC	
Selectable Voltage Range	170-280VAC(UPS), 90-280VAC(Appliances)	
Frequency Range	50Hz/60Hz (Auto sensing)	
<b>OUTPUT</b>		
AC Voltage Regulation (Batt. Model)	230VAC $\pm$ 5%	
Surge Power	7000VA	11000VA
Efficiency(Peak)	>90%	
Transfer Time	10MS(UPS),20MS(Appliances)	
Wave form	Pure sine wave	
No load current	1.0A	1.1A
<b>BATTERY</b>		
Battery voltage	24VDC	48VDC
Low battery alarming voltage	22.0VDC	44.0VDC
Low battery cut off protection voltage	21VDC	42VDC
Low battery recovery voltage	23.0VDC	46.0VDC
Floating Charge Voltage	27VDC	54VDC
Overcharge Protection	32VDC	64VDC
<b>MPPT SOLAR CHARGER &amp; AC CHARGER</b>		
Maximum PV Array Power	5000W	6000W
MPPT Range at Operation Vol.	120-450VDC	
Maximum PV Array Open Circuit Vol.	500VDC	
Number of MPPT trackers / Max output current	100A	
Maximum AC Charge Current	60A	
Maximum Charge Current	100A	
Maximum Efficiency	98%	
<b>BEST PANEL CONFIGURATION</b>		
Best Panel configuration	300Wp*9pcs*36V(2700Wp)*2Parallel	330Wp*9pcs*36V(2970Wp)*2Parallel
<b>PHYSICAL</b>		
Products Dimension, D*W*H(mm)	481mm*313mm*117mm	481mm*313mm*117mm
Packing size, D*W*H(mm)	543mm*394mm*204mm	543mm*394mm*204mm
Net Weight (kgs)	9.8KG	10.5KG
G.W. kg	11KG	11.7KG
<b>OPERATING ENVIRONMENT</b>		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operation Temperature	0°C-50°C	