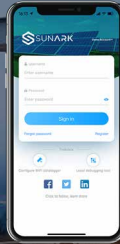


# ON|OFF GRID SOLAR INVERTER

SunSmart PRO

- Pure sine wave solar inverter(on/off Grid)
- Output power factor 1.0
- WIFI&GPRS available for IOS and Android
- Inverter can run without battery
- One-key restoration to factory Settings
- Built-in Lithium battery automatic activation
- Dual communication ports for Battery communication and Wifi communication
- Built-in 120A MPPT Solar charge:max 6200W (for 3.6KW/4.2KW), max 6500W (for 6.2KW)
- High PV input voltage range (60~500VDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output



**(R)** INVERTER MODE    **(G)** PV MODE    **(B)** UTILITY MODE

**RGB**

RGB Lights

**120A**

Max PV Charging



Built in Anti Dust Kit



Removable display



Upgraded MPPT



Works with and Without Battery



App



WIFI & GPRS



LI- ION



Dual communication



Dustproof



Pure Sine Wave

Model	SunSmart PRO-3.6KW	SunSmart PRO-4.2KW	SunSmart PRO-6.2KW
Phase	1-phase		
Maximum PV Input Power	6200W	6200W	6500W
Rated Output Power	3600W/3600VA	4200W/4200VA	6200W/6200VA
Maximum Solar Charging Current	120A		
<b>GRID-TIE OPERATION</b>			
<b>PV INPUT (DC)</b>			
Nominal DC Voltage/Maximum DC Voltage	360/500VDC		
Start-up Voltage/Initial Feeding Voltage	60VDC/90VDC		
MPPT Voltage Range	60~450VDC		
Maximum Input Current	1/18A		1/22A
<b>EFFICIENCY</b>			
Maximum Conversion Efficiency (DC/AC)	98%		
<b>TWO LOAD OUTPUT POWER</b>			
Full Load	3600W	4200W	6200W
Maximum Main Load	3600W	4200W	6200W
Maximum Second Load(battery mode)	1200W	1400W	2067W
Maximum Load Cut Off Voltage	26VDC	26VDC	52VDC
Maximum Load Return Voltage	27VDC	27VDC	54VDC
<b>OFF-GRID OPERATION</b>			
<b>AC INPUT</b>			
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC		
Acceptable Input Voltage Range	90-280VAC or 170-280VAC		
Frequency Range	59-61±1HZ		
Maximum AC Input Current	21.1A	24.7A	36.4A
<b>PV INPUT (DC)</b>			
Nominal DC Voltage/Maximum DC Voltage	360/500VDC		
MPPT Voltage Range	60-450VDC		
Maximum Input Current	1/18A		1/22A
<b>BATTERY MODE OUTPUT (AC)</b>			
Nominal Output Voltage	220/230/240VAC		
Output Waveform	Pure sine wave		
Efficiency (DC to AC)	94%		
<b>BATTERY &amp; CHARGER</b>			
Nominal DC Voltage	24VDC		48VDC
Maximum Solar Charging Current	120A		
Maximum AC Charging Current	100A		
Maximum Solar+AC Charging Current	120A		
<b>HYBRID OPERATION</b>			
<b>PV INPUT (DC)</b>			
Nominal DC Voltage/Maximum DC Voltage	360/500VDC		
Start-up Voltage / Initial Feeding Voltage	90VDC/120VDC		
MPPT Voltage Range	60~450VDC		
Maximum Input Current	1/18A		1/22A
<b>GRID OUTPUT (AC)</b>			
Nominal Output Voltage	220/230/240VAC		
Output Voltage Range	195~253VAC		
Nominal Output Current	15.7A	18.2A	27.0A
<b>AC INPUT</b>			
AC Start-up Voltage / Auto Restart Voltage	120-140VAC/180VAC		
Acceptable Input Voltage Range	90-280VAC or 170-280VAC		
Maximum AC Input Current	21.1A	24.7A	36.4A
Maximum AC Charging Current	100A		
<b>GENERAL</b>			
<b>PHYSICAL</b>			
Dimension,D*W*H(mm)	420*350*145		
Cartoon Dimension,D *W *H(mm)	500*415*215		
Net Weight (kgs)	8.8	9.3	9.8
Gross Weight(kgs)	10.0	10.5	11.0
<b>INTERACE</b>			
Communication Port	RS232/RS485/REMOVE LCD/WIFI/GPRS/LITHIUM BATTERY		
<b>ENVIRONMENT</b>			
Humidity	5% to 95% Relative Humidity(Non~condensing)		
Operating Temperature	-10°C~50°C		
<b>STANDARD</b>			
Compliance Safety	CE		