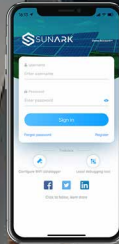


# ON|OFF GRID SOLAR INVERTER

SunSmart

- 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 140A(for 4.2KW) / 120A(for 3.6KW/6.2KW)  
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
- Dual output



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

**RGB**

RGB Lights

**140A**

Max PV Charging



Built in Anti Dust Kit



Pure Sine Wave



Upgraded MPPT



Works with and Without Battery



App



WIFI & GPRS



LI- ION



Dual communication



Dustproof



Dual PV LCD Display

Model	SunSmart-3.6KW	SunSmart-4.2KW	SunSmart-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>GRID OUTPUT (AC)</b>			
Nominal Output Voltage		220/230/240VAC	
Output Voltage Range		195~253VAC	
Nominal Output Current	15.7A	18.2A	27.0A
Power Factor		>0.99	
<b>EFFICIENCY</b>			
Maximum Conversion Efficiency (DC/AC)		98%	
<b>TWO LOAD OUTPUT POWER</b>			
Full Load	3600W	4200W	6200W
Maxium Main Load	3600W	4200W	6200W
Maxium Second Load(battery mode)	1200W	1400W	2067W
Maxium Load Cut Off Voltage	26VDC	26VDC	52VDC
Maxium 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		49-51±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 170-180VAC	
Maximum AC Input Current	2.1A	24.7A	36.4A
Maximum AC Charging Current		100A	
<b>GENERAL</b>			
<b>PHYSICAL</b>			
Dimension,D*W*H(mm)		420*350*110	
Cartoon Dimension,D *W *H(mm)		500*415*180	
Net Weight (kgs)	8.0	8.0	8.9
Gross Weight(kgs)	9.0	9.0	10.0
<b>INTERACE</b>			
Communication Port		RS232/RS485/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	