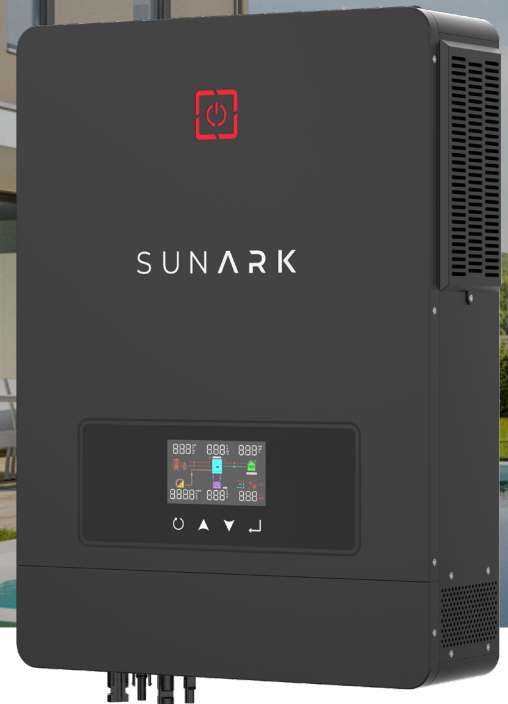
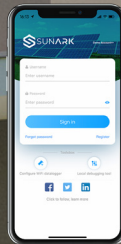


# ON|OFF GRID SOLAR INVERTER

SunSmart MAX

- 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
- Built-in 160A MPPT solar charger (for 8.2kw,10.2kw)
- Dual communication ports for Battery communication and Wifi communication
- High PV input voltage range(90~ 500VDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life Dual output
- Dual PV input
- Touch button
- On Off Grid Work Mode



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

**RGB**

RGB Lights

**160A**

Max PV Charging



Dual Smart & Main Load



Touch



Upgraded MPPT



Works with and Without Battery



App



WIFI & GPRS



Dual PV



Dual Communication



Dustproof



Dual PV LCD Display

Model	SunSmart MAX-8.2KW	SunSmart MAX-10.2KW
Phase	1-phase	
Maximum PV Input Power	5400W+5400W	
Rated Output Power	8200W/8200VA	10200W/10200VA
Maximum Solar Charging Current	160A	
<b>GRID-TIE 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	90~450VDC	
Maximum Input Current	2/18A	
<b>GRID OUTPUT (AC)</b>		
Nominal Output Voltage	220/230/240VAC	
Output Voltage Range	195~253VAC	
Nominal Output Current	35.6A	44.3A
Power Factor	>0.99	
<b>EFFICIENCY</b>		
Maximum Conversion Efficiency (DC/AC)	98%	
<b>TWO LOAD OUTPUT POWER</b>		
Full Load	8200W	10200W
Maxium Main Load	8200W	10200W
Maxium Second Load(battery mode)	2733W	3400W
Maxium Load Cut Off Voltage	52VDC	
Maxium Load Return Voltage	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	48.2A	60A
<b>PV INPUT (DC)</b>		
Nominal DC Voltage/Maximum DC Voltage	360/500VDC	
MPPT Voltage Range	90-450VDC	
Maximum Input Current	2/18A	
<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	48VDC	
Maximum Solar Charging Current	160A	
Maximum AC Charging Current	140A	
Maximum Solar+AC Charging Current	160A	
<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	90~450VDC	
Maximum Input Current	2/18A	
<b>GRID OUTPUT (AC)</b>		
Nominal Output Voltage	220/230/240VAC	
Output Voltage Range	195~253VAC	
Nominal Output Current	35.6A	44.3A
<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	48.2A	60A
Maximum AC Charging Current	140A	
<b>GENERAL</b>		
<b>PHYSICAL</b>		
Dimension,D*W*H(mm)	530*390*130	
Cartoon Dimension,D *W *H(mm)	618*463*205	
Net Weight (kgs)	14.2	14.7
Gross Weight(kgs)	15.7	16.2
<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	