



# SUNPOLO 6KW

## 3 IN 1 MPPT INVERTER, ON GRID/OFF GRID/HYBRID



Monitor & Control with Built-in WiFi



USB On-the-go Function



Works with & without battery



Touch button LCD display

### Three lighting effects:



**Cycling:**

Quickly scroll with a color of your choice in a continuous circular motion



**Wheel:**

Illuminates with twinkling lights in a color of your choice



**Chasing:**

Radiates your selected color upward from the bottom of the ring

### User Programmable RGB lighting for different operation mode



Pink



Orange



Green



Blue



Sky Blue



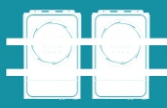
Purple



120A solar & AC charging current



6KW+ PV input (27 AMP)



9 Units can be parallel



Communication USB/RS232/RS485/Dry-Contact/WIFI



On Off Grid together, can feed into grid



## TECHNICAL PARAMETER

Model No.	SUNPOLO 6KVA
<b>Basical information</b>	
Max. PV Input Power	6000W
Rated AC Output Power	6000W
<b>PV Input (DC)</b>	
Nominal DC Volt/Max DC Voltage	360VDC/500VDC
Start-up Voltage/Initial Feeding Voltage	120VDC
MPPT Voltage Range	120-450VDC
No. of MPPT Tracker/Max. Input Current	1/27A
<b>Grid-Tie Operation</b>	
<b>Grid Output (AC)</b>	
Nominal Output Volt	230Vac, Single Phase
Output Voltage Range	184V-265Vac or 195-253V (Selectable)
Nominal Output Current	26.0A
Power Factor	>0.9
<b>Efficiency</b>	
Max. Conversion Efficiency (DC/AC)	Max. Conversion Efficiency (DC/AC)
<b>Off-Grid Operation</b>	
<b>AC Input (AC)</b>	
AC Start-up Voltage/Auto Restart Volt.	120Vac-140Vac/180Vac
Acceptable Input Voltage Range	90-280Vac or 170-280Vac
Max. AC Input Current	40A
<b>Grid Tie Mode</b>	
Nominal Output Volt	220Vac/230Vac/240Vac, Single Phase
Feed-in Voltage Range	184V-265Vac
Max Efficiency DC/AC	>95%
<b>Battery Mode Output (AC)</b>	
Nominal Output Volt	220Vac/230Vac/240Vac
Waveform	Pure sine wave
Efficiency(DC to AC)	93%
<b>Hybrid Operation</b>	
<b>Grid Output (AC)</b>	
Nominal Output Volt	220Vac/230Vac/240Vac, Single Phase
Output Voltage Range	184V-265Vac or 195-253V (Selectable)
Nominal Output Current	26.0A
<b>AC Input (AC)</b>	
AC Start-up Voltage/Auto Restart Volt.	120Vac-140Vac/180Vac
Acceptable Input Voltage Range	90-280Vac or 170-280Vac
Max. AC Input Current	40A
<b>Battery Mode Output (AC)</b>	
Nominal Output Volt	220Vac/230Vac/240Vac
Waveform	Pure sine wave
Efficiency(DC to AC)	93%
<b>Battery &amp; Charger</b>	
Battery Type Supported	Lead Acid/VRLA/AGM/GEL/Flooded/Tubular/LiFePO4
Nominal Battery Voltage	48Vdc
Max Solar Charge Current	120A
Max AC Charge Current	120A
Max Total Charge Current	120A
<b>General</b>	
<b>Physical</b>	
Products Dimension,D X W X H (mm)	456*303*147
Product Net Weight(kgs)	12
Packing Dimension,D X W X H (mm)	535mm*382*mm*224mm,1PC/CTN
Product Net Weight(kgs)	13.5
Parallel functions Optional	Yes, optional, max 9pcs
Communication Interface	RS232,USB,RS485,WIFI
<b>Environment</b>	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C