

# On&Off Grid MPPT Solar Inverter

## TECHNICAL PARAMETER

MODEL	SUNPOLO-GN 11KW
<b>Basical information</b>	
Max. PV Input Power	12000W
Rated AC Output Power	11000W
<b>Grid-Tie Operation</b>	
PV Input (DC)	
Nominal DC Volt/Max DC Voltage	360VDC/500VDC
Start-up Voltage/Initial Feeding Voltage	80VDC
MPPT Voltage Range	90-450VDC
No. of MPPT Tracker/Max. Input Current	2*27A (Max. 40A)
Grid Output (AC)	
Nominal Output Volt	220Vac/230Vac/240Vac, Single Phase
Output Voltage Range	184V-265Vac or 195-253V (Selectable)
Max. 2nd Output Current	60A
Power Factor	>0.85
<b>Efficiency</b>	
Max. Conversion Efficiency (DC/AC)	93%
<b>Off-Grid Operation</b>	
AC Input (Generator)	
Acceptable Input Voltage Range	90-280Vac (Appliances) or 170-280Vac (UPS)
Acceptable input frequency range	40-65Hz±1Hz
Max. AC Input Current	60A
AC Input (AC)	
Acceptable Input Voltage Range	90-280Vac (Appliances) or 170-280Vac (UPS)
Max. AC Input Current	60A
<b>Grid Tie Mode</b>	
Nominal Output Volt	220Vac/230Vac/240Vac, Single Phase
Feed-in Voltage Range	184V-265Vac
Max Efficiency DC/AC	>95%(Rated R load, battery full charged)
<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, AGM, Gel, flooded, tubular,LiFePo4
Nominal Battery Voltage	48Vdc
Max Solar Charge Current	150A
Max AC Charge Current	150A
Max Total Charge Current	150A
<b>General</b>	
<b>Physical</b>	
Products Dimension,D X W X H (mm)	610*451*152mm
Product Net Weight(kgs)	22KG
Packing Dimension,D X W X H (mm)	708*584*243mm,1PC/CTN
Parallel functions Optional	Yes, MAX. 6pcs
Communication Interface	RS232,USB,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

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Cycling Wheel Chasing



## MAIN FEATURES

- Smart battery management. Compatible with different types of batteries: Lead acid, AGM, Gel, flooded, tubular,LiFePo4
- Wide PV input range (Up to 500Vdc), support no battery working during the day time.
- Two independent AC power sources (Utility + generator) connected and switched automatically (grid power get the priority)
- On grid and off grid solar inverter, support self-consumption and feed into the grid.
- 150A MPPT solar charger inside, max pv input 12KW (2\*27A,Max. 40A)
- With CT to meet self-consumption application
- Built-in Remote WIFI for mobile monitoring(Android/IOS)
- Touch LCD, RGB light.
- Parallel up to 6 units
- Max. PV input current 40A element
- Dual outputs (L1/L2) for smart load management
- Built-in BMS

## Solar System Connection

