



OG SERIES



High Compatibility

60~450VDC, Wider range, More power generation.
Start earlier, stop later.
Support a peak output of 2 times the rated power for up to 10 seconds.



Assured Reliability

Battery terminal temperature detection.
IP65-rated, built to withstand tough environments.



More Convenient

135A Maximum charging Current, faster charging.
2 MPPTs, supports 1.5x PV oversizing (20A+20A), optimizing energy from panels at various angles.



Flexible Adaptability

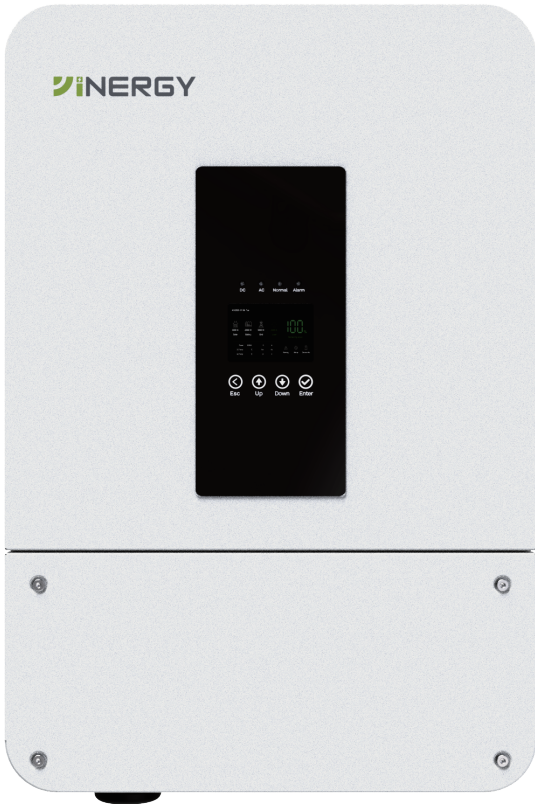
Support storing energyfrom diesel generator.
Supports battery-free mode operation.

Off Grid Solar Inverter

Single Phase

4kW

6kW



Model
Max.PV access power
Max.PV Input Power
Max.PV Input Voltage
Start-up Voltage
MPPT Voltage Range
Rated PV Input Voltage
Max.Operating PV Input Current
Max.Input Short Circuit Current
No.of MPPT Tackers/String Per MPPT Tracker
Battery Type
Battery Voltage Range
Max. Charging Current
Max. Discharging Current
Charging Strategy for Li-ion Battery
Number of Battery Input
Rated AC Output Power
Max.AC Output Power
Max.AC Output Current
Peak Power
Rated Output Voltage
Output Type
Rated Output Frequency
Total Current Harmonic Distortion THDi
Max.Input Power to Battery
Rated Input Voltage
Rated Input Frequency
Grid Input Current
Generator Input Current
Peak Efficiency(Battery to INV)
Peak Efficiency(PV to INV)
MPPT Efficiency
Display
Communication Interface
Monitor Mode
Operating Temperature Range
Permissible Ambient Humidity
Permissible Altitude
Noise
Ingress Protection(IP) Rating
Inverter Topology
Over Voltage Category
Cabinet Size (DxWxH)
Weight
Type of Cooling
Warranty
Safety EMC/Standard

OG-1P4K-PD-24	OG-1P6K-PD
PV String Input Data	
7500 W	11250 W
6000 W	9000 W
500 V	
90 V	
60-450 V	
370 A	
20 A	20 A + 20 A
22 A	22 A + 22 A
1 / 1	2 / (1+1)
Battery Input Data	
Leadacid or Lithium-ion	
20-30 V	40-60 V
135 A	
135 A	
Self adaption to BMS	
1	
AC Output Data	
4000 VA	6000 VA
4000 VA	6000 VA
18 A	26 A
2 times of rated power,10s	
230 V	
L+N+PE	
50/60 Hz	
< 3% (of nominal power)	
AC Input Data(Grid and Generator)	
3600 W	6000 W
230 V	
50 / 60 Hz	
35 A	
35 A	
Efficiency	
94%	
96%	
> 99%	
Interface	
Colorful touch LCD+LED	
RS232/RS485/CAN	
WIFI/4G	
General Data	
-10°C to +60°C	
0-100%	
2000 m	
< 50 dB	
IP65	
Non-Isolated	
OVC II(DC),OVC III(AC)	
400 x 223 x 527 mm	
22 kg	
Intelligent Air Cooling	
5 Years/10 Years the Warranty Period Depends the Final Installation Site of Inverter, More Info Please Refer to Warranty Policy	
IEC/EN 61000-6-1/2/3/4,IEC/EN 62109-1,IEC/EN 62109-2	