

OG SERIES



High Compatibility

33% surge power has better protection function for special application scenarios such as refrigerator, air conditioner and water pump.

18-100VDC, Wider range, More power generation.Start earlier, stop later.



High Reliability

Enhanced safety with Built-in Transformer Isolation, provides added protection for users.

Built-in Powerful Optimizer effectively drives heavy home loads, ensuring reliable performance for demanding appliances. (Support 300% Surge power)



More Convenient

108A Maximum charging Current, faster charging.



Good Economy

PV efficiency up to 90%, ensures maximum energy conversion and enhances overall system performance.

Hybrid Solar Inverter

600W

1200W



		OG-1P600	OG-1P1K2-T
Rated Capacity		600 W	1200* W
		PV Input	
PV Maximum Input Power		720 W	1200 W
Max. PV Array Open Circuit Voltage		65 V	100 VDC
MPPT Range@Operating Voltage		12~60 VDC	18~90 VDC
Max. Solar Input Current		14 A	14 A
		Battery Specifications	
Battery Type		Lithium and Lead-acid	
Battery Voltage		12V (1*12 V)	
Nominal Battery voltage		12V (1 * 12V)	12V (1 * 12V)
		AC Input	
Nominal voltage		220 / 230 / 240; L + N + PE	
Voltage Range		90~280 ±3 (normal mode); 170~280 ±3 (UPS mode)	
Frequency		50 / 60Hz (Auto Adaptive)	
		AC Output	
Rated Capacity		600 W	1200* W
Second Output Capacity		/	/
Surge Power	Power Booster model	1200 VA	3600 VA
Parallel		/	/
Waveform		Pure Sine Wave	
Feed-in Grid Voltage Range		195~253 VAC	
Nominal Frequency		50 / 60 Hz	
Feed-in Grid Frequency Range		49~51 Hz ±0.1% / 59~61 Hz ±0.1%	
Transfer Time		10ms UPS mode, 10ms Appliance mode	
Peak Efficiency		90.00%	90.00%
Peak Efficiency		90.00%	90.00%
Overload Protection		10 min @102% < Load ≤120% 1 min @120% < Load ≤150% 10 sec @150% < Load ≤200% 200 ms @Load >200%	10 min @102% < Load ≤120% 1 min @120% < Load ≤150% 10 sec @150% < Load ≤200% 200 ms @Load >200%
Admissible Power Factor		1	-0.8~+0.8
Output Short	Battery mode	Current limitation	
Circuit Protection	Line mode	/	Breaker (20 A)
		Charger Specifications (Solar Charger & AC Charger)	
Charging Voltage		FV MODE: 13.5 V settable: 12~14.9 V CV MODE: 14.1 V settable: 12~15 V	FV MODE: 13.5 V settable: 12~14.9 V CV MODE: 14.1 V settable: 12~15 V
Battery Over Voltage		15 V	15 V
Charging Current		2~30 A	2~60 A
Max. AC Charge Current		30 A	60 A
Max PV Charge Current		25 A	60 A
Max. Charge Current (PV+AC)		30 A	108 A
Physical		Physical	
Built-in Transfer		/	Yes
Built-in Power Booster		Yes	Yes
Dimensions, DxWxH (mm)		70*142*200	91*236*347
Net Weight (Kg)		2	3.2
Communication Interface		USB	USB
Environment		Environment	
Ingress Protection		IP21	
Operating Temperature Range		-10 °C~ 50 °C	
Storage Temperature		-15 °C~ 60 °C	
Humidity		5% ~ 95% (Non-condensing)	

*:When inverter with PV+Battery the Max. AC output is 1200W.