

# POG600/1K/2K/3K



## Features

- Pure sine wave output
- Microprocessor controlled to guarantee stable output waveform
- Offering LED and Key for Selection

## Flexibility

- Easy installation and free maintenance
- RS485 communication

## Reliability

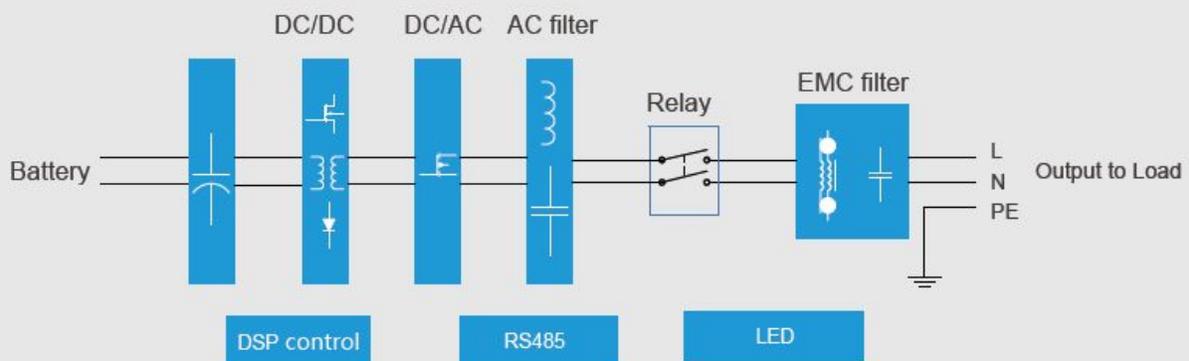
- Reliable protection for over/under voltage, over temperature ,short circuit, overload, etc.
- 2-year free quality warranty extends to 7 years optional



## Solar Off-Grid™ Series

POG Series Inverters are mainly used in off-grid power supply system (stand-alone system).Its high efficiency and high reliability would provide reliable and high-quality AC power for your devices.

## DIAGRAM



## Technical Data

Inverter Model	POG600	POG1K	POG2K	POG3K
Battery voltage	12V	24V	48V	48V
Voltage range	10.5V-15V	21V-30V		42.5V-60V
No-Load Loss	12W	20W	28W	35W
DC connection	Quickly Terminal Blocks		Terminal	
AC output voltage	202/208/220/230/240VAC±5%			
Frequency	50Hz/60Hz			
Continuous power	600W/600VA	1000W/1000VA	2000W/2000VA	3000W/3000VA
AC distortion	<3% for linear load , <5% for non- linear load			
AC connection	Power outlet		Terminal Blocks	
Maximum conversion efficiency	90%	91%	92%	93%
Overload capability	working properly when <110%; one minute when overload $\geq$ 110% $\geq$ 200% immediate shutdown			
Low battery shutdown	10.5V±0.5V	21V±1V	42.5V±1V	
Output short circuit protection	Immediate shutdown			
Output voltage buffer	Soft start			
Coling ways	Intelligent cooling fan			
Protection class	IP20			
Communication	RS485			
Noise	$\leq$ 45dB			
L.V.D.	EN 60950-1			
EMC	EN 55022			
Working temperature	-10°C -45°C			
Humidity	20% ~ 90% ( Non-condensing )			
Altitude	Less than 1000m without derating; More than 1000m, derating 1% per 100m more.			
Storage Temperature	-15°C ~ 70°C			
Machine size	290.5×150×71.5mm <sup>3</sup>	315.5×150×71.5mm <sup>3</sup>	435*250*85mm <sup>3</sup>	
Packing size	340×196×121mm <sup>3</sup>	365×196×121mm <sup>3</sup>	473*283*120mm <sup>3</sup>	
Netweight	2.0Kg	2.2Kg	6.0Kg	6.5Kg
Gross weight	2.3Kg	2.5Kg	6.5Kg	7.0Kg
Warranty(2 / 5 / 7 years)	Yes/Opt./Opt.	Yes/Opt./Opt.	Yes/Opt./Opt.	Yes/Opt./Opt.