



BIS  
CERTIFIED

# POM OG SERIES

OFF GRID SOLAR INVERTER

Range: 1 KW TO 5 KW (SINGLE PHASE)



Built-In  
Transformer



Mounting  
Design



Battery Charging  
and Management



Off-Grid  
Functionality



LCD Displays and  
Monitoring

## TECHNICAL SPECIFICATIONS

MODEL	POM 101 OG	POM 1501 OG	POM 201 OG	POM 301 OG	POM 401 OG	POM 501 OG
<b>INPUT</b>						
Capacity	1000VA	1500VA	2000VA	3000VA	4000VA	5000VA
Voltage (DC)	12/24V		24/48V			
Nominal Voltage	220VAC					
Voltage Range	154-264VAC					
Frequency	50/60Hz Auto sensing					
<b>OUTPUT</b>						
Power Output	800W	1200W	1600W	2400W	3200W	4000W
Voltage	220VAC (+ 1-3 % UPS mode)					
Waveform	Pure Sinewave					
Transfer time	< 10 ms					
Output Voltage Regulation	10 % rms					
Saver mode	YES					
MPPT Efficiency	>98%					
<b>PROTECTION</b>						
Input Protection	CIRCUIT BREAKER					
Output protection	CIRCUIT BREAKER					
<b>Battery</b>						
Battery type	AGM – DEEP CYCLE, GEL, LIFEPO4					
Charging Current	20/10A	30/15A	35/18A	30/15A	35/18A	40/20A
Low level disconnect (Selectable)	10V or 10.5 ) x N N means the number of batteries in series					
LCD Indicator Status	Input Ac, Output Ac, Battery Dc, Output Load, Alarm Fault, Battery - Charge Level, Output Frequency Ac Line In Green, Inverter Green, Charging Yellow, Alarm Red					
Battery Low Alarm	Battery load discharge 11.5v*n @ <20% load /11v*n @ >50%load /10.5v*n @ >50% load					
Battery Low Recovery	Battery load discharge 12v*n @ <20% load/11.5v*n @ >50%load/11v*n @ >50% load					
DC Low Voltage Shut down	Battery load discharge 11v*n @ <20% load/10.5v*n @ >50%load /10v*n @ >50% load					
DC high Voltage alarm and fault	16V *N					
DC high voltage recovery	15V *N					
Maximum PV array	12V 800W, 24V 1600W, 48V 3200W					
MPPT /PWM input voltage range	12V MPPT 15-150VDC, 24V MPPT 30-150VDC , 48V MPPT 60-150VDC					
Maximum Solar charging current	60A					
<b>Alarm</b>						
Low battery alarm	Audible alarm -1 beeping per second					
Overload Alarm	Audible alarm continuous beeping					
Fault	Audible alarm continuous beeping					
<b>Environment</b>						
Temperature	0-50°C					
Humidity	0 – 95 %, non condensing					
Acoustic Noise	< 45db					

