



OPAL SERIES 2.0

OFF GRID SOLAR INVERTER



FEATURES

- Simulated sine wave inverter.
- Built-in MPPT solar charge controller, max charging current 50A.
- Wide input voltage range.
- 14VDC and 24VDC.
- 15A or 20A standard AC charging current.
- LCD display for comprehensive information.
- First thermal protected simulated inverter.
- Thermal protection sensor.
- Configurable output source priority, charger source priority, charger current and so on.

SOLAR SYSTEM CONNECTION



OPAL SERIES

TECHNICAL PARAMETERS

MODEL	1.4KVA	2.5KVA
CAPACITY	1400VA/800W	2500VA/1600W
INPUT		
Voltage	220-240 VAC	
Voltage Range	90-280 VAC	
Nominal Operating Frequency	50/60Hz	
Maximum Input Current	10A	13A
OUTPUT		
Nominal Output Voltage	220-240 VAC	
Voltage Regulation (Batt. Mode)	+/-10%	
Output Frequency Range	50/60Hz	
Nominal Output Current	5.2A	10.4A
Inrush Current	10A	13A
Maximum Output Fault Current	6.9A	13.6A
Transfer Time	20 ms typical	
Waveform	Simulated Sine Wave	
BATTERY		
Battery Voltage	12 VDC	24 VDC
Maximum Battery Discharging Current	76A	76A
Floating Charge Voltage	13.7 VDC ± 0.5 VDC	27.4 VDC ± 1 VDC
Maximum AC Charging Current	10 A or 20 A	10 A or 15 A
SOLAR CHARGER		
Solar Charger Type	MPPT	
Maximum PV Array Open Circuit Voltage	100 VDC	
MPPT Range @ Operating Voltage	15 ~ 80 VDC	30 ~ 80 VDC
Maximum Solar Charging Current	50 A	50 A
Maximum Charging Current	50 A	50 A
PHYSICAL		
Dimension (DxWxH) mm	283x233x100	
Net Weight (kgs)	4.5	4.8
Protective Class	I	
Ingress Protection Rating	IP20	
ENVIRONMENT		
Humidity	0 ~ 90% RH (No condensing)	
Operating Temperature	0 to 55°C	
Altitude	0 ~ 1000 m	