

## 7. Specifications

MODEL	IVR-1200MPPT	IVR-2400MPPT
<b>CAPACITY</b>	<b>1200VA/1000W</b>	<b>2400VA/1800W</b>
<b>POWER FACTOR</b>	<b>0.83</b>	<b>0.75</b>
<b>INPUT</b>		
Voltage	220-240 VAC	
Voltage Range	90-280 VAC	
Nominal Operating Frequency	50/60Hz	
Maximum Input Current	10A	13A
<b>OUTPUT</b>		
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	
<b>BATTERY</b>		
Battery Voltage	12 VDC	24 VDC
Maximum Battery Discharging Current	100A	90A
Floating Charge Voltage	13.7 VDC ±0.5 VDC	27.4 VDC ±1 VDC
CV Charging Voltage	Lead Acid Battery	14.3 VDC ±0.5 VDC
	Lithium Battery	14.6 VDC ±0.5 VDC
Cut Off Voltage	10.5 VDC ±0.5 VDC	21.0 VDC ±1 VDC
Maximum AC Charging Current	10 A or 25 A	10 A or 25 A
<b>SOLAR CHARGER</b>		
Solar Charger Type	MPPT	
Maximum PV Array Open Circuit Voltage	100 VDC	
MPP Range @ Operating Voltage	15 ~ 80 VDC	30 ~ 80 VDC
Max. PV array Input Power	825W	1650W
Max. PV array Power to support	660W	1320W
Maximum Solar Charging Current	55 A	55 A
Maximum Charging Current (Utility +SCC)	55 A	55 A
<b>PHYSICAL</b>		
Dimension (DxWxH) mm	272 x 212 x 127	
Net Weight (kgs)	4.5	4.8
Protective Class	I	
Ingress Protection Rating	IP20	
<b>ENVIRONMENT</b>		
Humidity	0 ~ 90% RH (No condensing)	
Operating Temperature	0 ~ 55°C	
Altitude	0 ~ 1000 m	