

## 17. Specifications

<b>MODEL</b>	<b>2KW</b>	<b>3KW</b>	<b>3KW Plus</b>
<b>RATED POWER</b>	2000 W	3000 W	
<b>PV INPUT (DC)</b>			
Maximum DC Power	2250 W	3200 W	4500 W
Nominal DC Voltage	300 VDC	360 VDC	
Maximum DC Voltage	350 VDC	500 VDC	
Start-up Voltage / Initial Feeding Voltage	80 VDC / 120 VDC	116 VDC / 150 VDC	
MPP Voltage Range	150 VDC ~ 320 VDC	250 VDC ~ 450 VDC	
Maximum Input Current	15 A	13 A	18 A
Isc PV (absolute maximum)	15 A	13 A	18 A
Max. inverter backfeed current to the array	0 A	0 A	
<b>GRID OUTPUT (AC)</b>			
Nominal Output Voltage	101/110/120/127 VAC	208/220/230/240 VAC	
Output Voltage Range	88 - 127 VAC	184 - 265 VAC	
Output Frequency Range	47.5 ~ 51.5 Hz or 57.5 ~ 61.5 Hz	47.5 ~ 51.5 Hz or 59.3~ 60.5Hz	
Nominal Output Current	18 A*	13 A*	
Inrush Current	23 A	17 A	
Maximum Output Fault Current	69 A	51 A	
Maximum output Overcurrent Protection	69 A	51 A	
Power Factor Range	0.9 lead – 0.9 lag		
<b>AC INPUT</b>			
AC Start-up Voltage	60-70 VAC	120-140 VAC	
Auto Restart Voltage	85 VAC	180 VAC	
Acceptable Input Voltage Range	80-130 VAC/80-150VAC	170 - 280 VAC	
Nominal Frequency	50 Hz / 60 Hz		
AC Input Power	2400VA/2400W	5100VA/5100W	
Maximum AC Input Current	30 A	30 A	30 A
Inrush Input Current	30 A	30 A	30 A
<b>BATTERY MODE OUTPUT (AC)</b>			
Nominal Output Voltage	101/110/120/127 VAC	208/220/230/240 VAC	
Output Frequency	50 Hz / 60 Hz (auto sensing)		
Output Waveform	Pure sine wave		
Output Power	2000VA/2000W	3000VA/3000W	
Output Current	19.8A/18.2A/16.7A/15.7A	14.4A/13.6A/13A/12.5A	
Efficiency (DC to AC)	90%	92%	
<b>BATTERY &amp; CHARGER</b>			
Nominal DC Voltage	48 VDC		
Maximum Battery Discharging Current	65 A	92 A	
Maximum Charging Current	25 A		

<b>GENERAL</b>	
<b>PHYSICAL</b>	
Dimension, D X W X H (mm)	480 x 438 x 117
Net Weight (kgs)	15.57
<b>INTERACE</b>	
Communication Port	RS-232/USB
Intelligent Slot	Optional SNMP, Modbus and AS-400 cards available
<b>ENVIRONMENT</b>	
Protective Class	I
Ingress Protection Rating	IP20
Humidity	0 ~ 90% RH (No condensing)
Operating Temperature	0 to 40°C
Altitude	0 ~ 1000 m**

\*This figure may vary depending on different AC voltage.

\*\*Power derating 1% every 100 m when altitude is over 1000m.