

## 19. Specifications

<b>MODEL</b>	<b>10KW</b>
<b>RATED POWER</b>	10000 W
<b>PV INPUT (DC)</b>	
Maximum DC Power	14850 W
Nominal DC Voltage	720 VDC
Maximum DC Voltage	900 VDC
Working DC Voltage Range	300 VDC ~ 900 VDC
Start-up Voltage / Initial Feeding Voltage	320 VDC / 350 VDC
MPP Voltage Range / Full Load MPP Voltage Range	350 VDC ~ 850 VDC / 400 VDC ~ 800 VDC
Maximum Input Current	2*18.6 A
Isc PV (absolute maximum)	25 A
Max. inverter back feed current to the array	0 A
<b>GRID OUTPUT (AC)</b>	
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)
Output Voltage Range	184 - 265 VAC per phase
Output Frequency Range	47.5 ~ 51.5 Hz or 59.3~ 60.5Hz
Nominal Output Current	14.5 A per phase
Inrush Current/Duration	17 A per phase / 20ms
Maximum Output Fault Current/Duration	51 A per phase / 1ms
Maximum output Overcurrent Protection	51 A per phase
Power Factor Range	0.9 lead – 0.9 lag
<b>AC INPUT</b>	
AC Start-up Voltage	120-140 VAC per phase
Auto Restart Voltage	180 VAC per phase
Acceptable Input Voltage Range	170 - 280 VAC per phase
Nominal Frequency	50 Hz / 60 Hz
AC Input Power	10000VA/10000W
Maximum AC Input Current	40 A
Inrush Input Current	40 A / 1ms
<b>BATTERY MODE OUTPUT (AC)</b>	
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)
Output Frequency	50 Hz / 60 Hz (auto sensing)
Output Waveform	Pure sine wave
Output Power	10000VA/10000W
Efficiency (DC to AC)	91%
<b>BATTERY &amp; CHARGER (Lead-acid/Li-ion)</b>	
DC Voltage Range	40 – 60 VDC
Nominal DC Voltage	48 VDC
Maximum Battery Discharging Current	275 A
Maximum Charging Current	200 A

<b>GENERAL</b>	
<b>PHYSICAL</b>	
Dimension, D X W X H (mm)	622 x 500 x 167.2
Net Weight (kgs)	45
<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	-10 to 55°C (Power derating above 50°C)
Altitude	Max. 2000m*

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