

22. Specifications

MODEL	5KW
RATED POWER	5000 W
PV INPUT (DC)	
Maximum DC Power	10000 W
Nominal DC Voltage	720 VDC
Maximum DC Voltage	900 VDC
Working DC Voltage Range	200 VDC ~ 900 VDC
Start-up Voltage / Initial Feeding Voltage	250 VDC / 300 VDC
MPP Voltage Range	250 VDC ~ 850 VDC
Full Load MPP Voltage Range	500 VDC ~ 850 VDC
Maximum Input Current	2*10 A
Isc PV (absolute maximum)	25 A
Max. inverter back feed current to the array	0 A
GRID OUTPUT (AC)	
Nominal Output Voltage	230 VAC
Output Voltage Range	184 - 265 VAC
Output Frequency Range	47.5 ~ 51.5 Hz or 59.3~ 60.5Hz
Nominal Output Current	21.8 A per phase
Inrush Current/Duration	25 A / 20ms
Maximum Output Fault Current/Duration	65 A / 1ms
Maximum output Overcurrent Protection	65 A
Power Factor Range	0.9 lead – 0.9 lag
AC INPUT	
AC Start-up Voltage	120-140 VAC
Auto Restart Voltage	180 VAC
Acceptable Input Voltage Range	170 - 280 VAC
Nominal Frequency	50 Hz / 60 Hz
AC Input Power	5000VA/5000W
Maximum AC Input Current	40 A
Inrush Input Current	40 A / 1ms
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	230 VAC
Output Frequency	50 Hz / 60 Hz (auto sensing)
Output Waveform	Pure sine wave
Output Power	5000VA/5000W
Efficiency (DC to AC)	91%
BATTERY & CHARGER (Lead-acid/Li-ion)	
DC Voltage Range	40 – 60 VDC
Nominal DC Voltage	48 VDC
Maximum Battery Discharging Current	138A
Maximum Charging Current	100 A

GENERAL	
PHYSICAL	
Dimension, D X W X H (mm)	600X460X204.2
Net Weight (kgs)	29
INTERACE	
Communication Port	RS-232/USB
Intelligent Slot	Optional SNMP, Modbus and AS-400 cards available
ENVIRONMENT	
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.