



Max. DC Input Power (W)	6500W
Max. DC Input Voltage (V)	500V
MPPT Range (V)	125V-425V
Start-up Voltage (V)	150V
Max. Input Current (A)	11A+11A
No. of MPPT Trackers	2
No. of Strings Per MPPT Tracker	1/1

#### AC Output data

Rated AC Output and UPS Power (W)	5000W
Peak Power (off-grid)	2 Times Rated Power for 10 Seconds
Max. AC Current (A)	21.7A
Output Frequency and Voltage	50, 230 VAC (Single Phase)
Grid Type	Single Phase
Current Harmonic Distortion	THD<3% (Linear Load<1.5%)

#### Efficiency

Max. Efficiency	97.60%
Euro Efficiency	99.90%
MPPT Efficiency	96.50%

#### General Data

Operating Temperature Range (°C)	-25~60°C, >45°C Derating
Cooling	Fan
Noise (dB)	<30
Communication with BMS	RS485; CAN
Weight (kg)	20.5
Size (Length*Width*Height mm)	580 x 330 x 208 mm
Protection Degree	IP65
Installation Style	Wall-Mounted
Warranty	5 Years

Batter Type	Lead-Acid or Li-ion
Battery Voltage Range (V)	40V-60V
Max. Charging Current (A)	120A
Max. Discharging Current (A)	120A
Charging Curve	3 Stages/Equalization
External Temperature Sensor	Optional
Charging Strategy for Li-ion Battery	Self-Adaption to BMS

#### Protection

PV Input Lightning Protection	Integrated
Anti-islanding Protection	Integrated
PV String Input Reverse Polarity Protection	Integrated
Insulation Resistor Detection	Integrated
Residual Current Monitoring Unit	Integrated
Output Over Current Protection	Integrated
Output Shorted Protection	Integrated
Output Over Voltage Protection	Integrated

#### CERTIFICATION & STANDARDS

Grid Regulation	VDE 0126, AS4777, NRS2017, G98, G99, IEC61683, IEC62116, IEC61727, RD1699:2011, XP C15-712-3:2019-05
Safety Regulation	IEC62109-1&2, IEC62040-1
EMC	EN61000-6-1, EN61000-6-3, FCC 15 class B
South African Certifications	NRS097-2-1: 2017 Edition 2