

MODEL

PuREPower 5.0

Rated Power

5500 W

INPUT

Voltage

230VAC

Selectable Volatage Range

210 - 250 VAC

Frequency Range

50 Hz/60 Hz (Auto sensing)

OUTPUT

AC Voltage Regulation (Battery Mode)

230VAC $\pm$ 5%

Surge Power

11000VA

Efficiency (Peak)

>97%

Switching Modes

On Grid /Off Grid/Hybrid(Optional)

Transfer Time

10 ms

Waveform

Pure sine wave

SOLAR CHARGER & AC CHARGER

Solar Charger Type

MPPT

No. of MPPTs

1

Maximum PV Array Open Circuit Voltage

450 VDC

Maximum PV Array Power

6500W

Maximum PV Input Current

27 A

MPP Range @ Operating Voltage

60~ 450VDC

Maximum Solar Charge Current

100A

Maximum AC Charge Current

100A

Maximum Charge Current

100A

BATTERY

Battery Cell Technology

Lithium Ion

Nominal Voltage

48V

Battery Capacity (KWh)

5 kWh

Max. Continuous charging Current

20A

Max. Continuous Discharging Current

90A

Full Charging Voltage

54.3V

Full Discharging Voltage

40V

PROTECTION

Protection	5th Gen BMS,DC breaker
Anti-islanding Protection	Integrated
AC Over Current Protection	Integrated
Output short circuit	Integrated
Overload Protection	Integrated
Battery voltage too low	Integrated
Temperature too high	Integrated
Input voltage out of range/Ripple too high	Integrated
Fan block	Integrated
IP Protection	IP65

GENERAL DATA

Dimension, W x D x H (mm)	(485 x 655x 152)
Cooling concept	Advanced Nano PCM combined with forced convec-
LCD display with indicators	Operating mode/load/input/output, etc
PV connection	MC4 connector
AC connection	Terminal connectors
No.of AC Output	1
Topology	High frequency isolation
Installation Style	Wall-mounted
Operating Temperature Range	-10°C ~ 60°C*
Noise	<50dB
Warranty	5 years
Extended Warranty	12 years
Net Weight (kg)	40 Kgs
Communication Interface	BMS, Dry-contact, CAN, Bluetooth, Wifi, AI Cloud
Certifications	EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1