

MODEL	PuREPower 5.0
Rated Power	5500 W
INPUT	
Voltage	230VAC
Selectable Voltage Range	190 - 260 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)	(655 x 152x 560)
Cooling concept	Advanced Nano PCM combined with forced convection
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)	45 Kgs
Communication Interface	BMS, Dry-contact, CAN, Bluetooth, Wi-Fi, AI Cloud
Certifications	BIS Certified (R-63005436) IS 16221 (PART 2): 2015/ IEC 62109-2: 2011 AND IS 16169: 2019/ IEC 62116: 2014 AND IS 17980: 2022/ IEC 62891:2020