

MODEL	PuREPower 12.0
Rated Power	12000 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	22000VA
Efficiency (Peak)	~~ 94%
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	2
Maximum PV Array Open Circuit Voltage	450 VDC
Maximum PV Array Power	11000W (2X5500W)
Maximum PV Input Current	18 A X 2
MPP Range @ Operating Voltage	90~ 450VDC
Maximum Solar Charge Current	150A
Maximum AC Charge Current	150A
Maximum Charge Current	150A
BATTERY	
Battery Cell Technology	Lithium Ion
Nominal Voltage	48V
Battery Capacity (KWh)	12 kWh
Max. Continuous charging Current	90A X 2
Max. Continuous Discharging Current	90A X 2
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)	(560 x 152x 1110)
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)	82 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