

### MODEL

**PuREPower 30.0 (3P/3P)**

Rated Power

30000 W

### INPUT

Voltage

3 x 415 VAC

Selectable Volatage Range

380 - 440 VAC

Frequency Range

50 Hz/60 Hz (Auto sensing)

### OUTPUT

AC Voltage Regulation (Battery Mode)

415VAC  $\pm$  5%

Surge Power

60000VA

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

6

Maximum PV Array Open Circuit Voltage

450 VDC

Maximum PV Array Power

6 X 5500W

Maximum PV Input Current

6X 18 A

MPP Range @ Operating Voltage

90~ 450VDC

Maximum Solar Charge Current

450A

Maximum AC Charge Current

450A

Maximum Charge Current

450A

### BATTERY

Battery Cell Technology

Lithium Ion

Nominal Voltage

48V

Battery Capacity (kWh)

30

Max. Continuous charging Current

150A

Max. Continuous Discharging Current

90A X 7

Full Charging Voltage

54.3V

Full Discharging Voltage

40V

Quantity of Batteries

7 Nos

### 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)	(635 x 815 x 1525)
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	Floor standing
Operating Temperature Range	-10°C ~ 60°C*
Noise	<50dB
Warranty	5 years
Extended Warranty	12 years
Net Weight (kg)	345 ± 5 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