

## PuREPower 120.0

### Specification Sheet

#### MODEL

Octane120.0 (3P/3P)

Rated Power

120000W

Nominal Power

90000 W

#### INPUT

Voltage

3 x 415 VAC

Selectable Voltages Range

380 - 440 VAC

Frequency Range

50 Hz/60 Hz (Auto sensing)

#### OUTPUT

AC Voltage Regulation (Battery Mode)

415VAC  $\pm$  5%

Surge Power

180000VA

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

24

Maximum PV Array Open Circuit Voltage

450 VDC

Maximum PV Array Power

24 X 7500W

Maximum PV Input Current

24 X 27 A

MPP Range @ Operating Voltage

90~ 450VDC

Maximum Solar Charge Current

900A

Maximum AC Charge Current

900A

Maximum Charge Current

900A

#### BATTERY

Battery Cell Technology

Lithium Ion

Nominal Voltage

48V

Battery Capacity (kWh)

120

Max. Continuous charging Current

300A

Max. Continuous Discharging Current

90A X 28

Full Charging Voltage

54.3V

Full Discharging Voltage

40V

Quantity of Batteries

28 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                              | IP54                   |

### GENERAL DATA

|                             |                                                                                                                                                       |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimension, L x W x H (mm)   | (2514 x 940 x 1890 )                                                                                                                                  |
| 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)             | 1800 ± 10 Kgs                                                                                                                                         |
| Communication Interface     | BMS, Dry-contact, CAN, Bluetooth, Wi-Fi, AI Cloud                                                                                                     |
| Certifications              | BIS Certified (R-63005436)<br>IS 16221 (PART 2): 2015/ IEC 62109-2: 2011 AND<br>IS 16169: 2019/ IEC 62116: 2014 AND IS 17980: 2022/<br>IEC 62891:2020 |