

### MODEL

PuREPower 12.0

Rated Power

12000 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

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)   | (495 x 1110x 152)                                 |
| 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, Wifi, AI Cloud  |
| Certifications              | EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1    |