

MODEL

Octane120.0 (3P/3P)

Rated Power

120000W

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

240000VA

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 1676)
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) IS 16221 (PART 2): 2015/ IEC 62109-2: 2011 AND IS 16169: 2019/ IEC 62116: 2014 AND IS 17980: 2022/ IEC 62891:2020