

LU  POWER<sup>TEK</sup>

# Eco Beast

All In One Loadshedding Stack,  
Robust More Than Ever.



Stylish Look  
One-stop for All



Scalable Design  
5kWh/10kWh Option



No.1 Selling SNA Inverter  
Proven Quality



Solid Support  
Worldwide Accessibility



Plug and Play Instand  
Loadshedding Relief



Handy Monitoring  
Effortless Control



Your Reliable Energy Solution Partner

## BATTERY MODULE

Battery Power (kWh)	5.12
Rated Voltage (V)	51.2
Rated Capacity (Ah)	100
Battery Type	Lithium-ion
Max. Parellel (Default)	2PCS
Max. Discharging Current (A)	100
Max. Charging Current (A)	100
Dimension (W*H*D) (mm)	580*434*165
Net Weight	54
Standard	UN38.3, CE

## INVERTER MODULE

### XBP6000

### Input (PV DC)

Max. PV Array Power (W)	8000(4000/4000)
Rated pV Input Voltage (V)	320
Number of Independent MPPT Inputs	2
PV Input Voltage Range (V)	100~480
MPPT Voltage Range (V)	120~385
Start-up Voltage (V)	100
Max. PV Input Current per MPPT (A)	17/17
Max. Py Short-circuit Current per MPPT (A)	25/25
Max. PV Charging Current (A)	125

### Battery Input

Battery Volatge (V)	38.4~60
Max. Charging/Discharging Current (A)	125/140
Max. Charging/Discharging Power (W)	6000
Protection	Over Voltage, Under Voltage, Over Current, Short Circuit, Over Temperature

### UPS output @off-grid

Output Voltage Waveform	Pure sine wave
Output Voltage Regulation (V)	208/220/230/240±5%
Output Frequency (Hz)	50/60
Rated Output Power (W)	6000
Rated Output Current (A)	26.5
Peak Efficiency	93%
Overload Protection	5s@≥150% overload; 10s@110%~150% overload
Surge Power	2*Pn, 5s
Parallel Quantity	16PCS

### AC Input

Nominal Input Voltage (V)	230
Nominal Input Frequency (Hz)	50/60(Auto detection)
Max. AC Input Current (A)	39.5
Max. AC Input Power (W)	9000
Max. AC Charging Current (A)	125

### AC Ouput @Gird

Rated AC Output Current (A)	26.5
Rated AC Output Power (W)	6000
Rated AC Current of Bypass Relays (A)	60
Switching Time	Typical <10ms @ Single; <30ms @ Parallel

### Generator Input

Rated GEN Voltage (V)	220/230/240
Rated GEN Frequency (Hz)	50/60
Rated GEN Input Current (A)	32
Rated GEN Input Power (W)	7370
Rated GEN Current of Bypass Relays (A)	60

### Protection/General Specifications

Grid Monitoring	YES
AC Surge Protection Type III	YES
Safety Certification	CE, UN38.3, NRS097
Dimension(W*H*D) (mm)	580*1300*165(default)
Net Weight (kg)	125.4
Ingress Protection Rating	IP20
Display&Communication Interface	LCD+LED, RS485/Wi-Fi/CAN
Cooling Method	Smart Cooling
Topology	Transformer-less
Noise Emission(typical) (dB)	<58
Operating Temperature Range (°C)	0~45
Storage temperature (°C)	-15~60
Humidity	5% to 95% Relative Humidity (Non-condensing)
Altitude (m)	<2000

\*Note: 115A @48VDC (AC), 125A @44VDC (AC), 125A @48VDC (PV)

