

LU  POWER^{TEK}

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 (D*W*H) (mm) | 165*580*434 |
| Net Weight | TBD |
| 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(D*W*H) (mm) | 165*580*350 |
| Net Weight (kg) | -- |
| 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)

