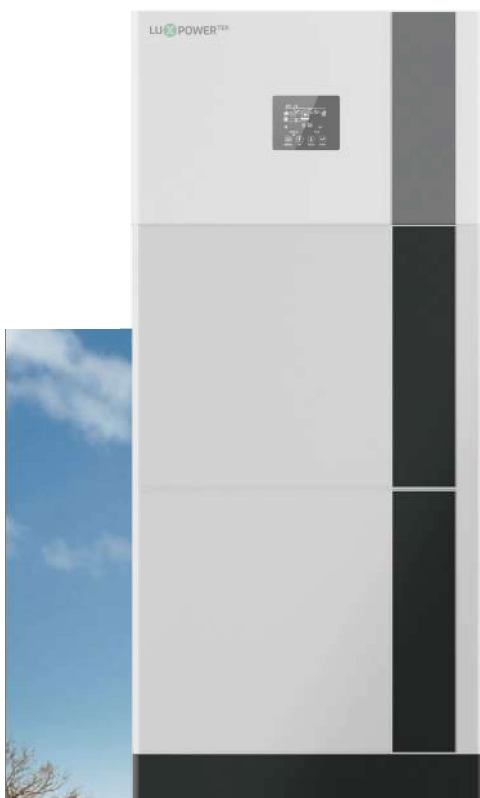


ALL IN ONE

Single-Phase

Eco Beast

- 2 MPPTs, Max. 9kW PV input
- Expandable storage – Up to 16pcs in parallel
- Battery module level monitoring
- On/off-grid switching
- Remote monitoring and firmware updates with battery
- PV or AC or Generator wake up battery



Specification

Your Reliable
Energy Solution
Partner

INVERTER MODULE		
Input (PV DC)		
Max. PV array power (W)		8000(4000/4000)
Rated PV input voltage (V)		320
Number of Independent MPPT inputs		2/(1:1)
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. PV 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
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
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
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)
Weight		125.4kg/276.4lbs
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
Standards & Certification		
NRS097-2-1:2024		