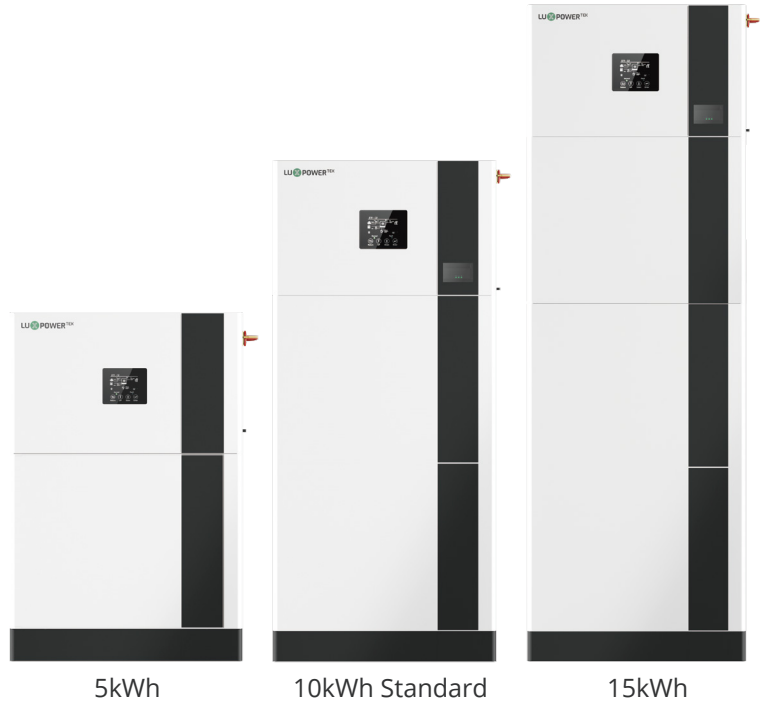


ALL IN ONE

Eco Beast (Single-Phase)

- 2 MPPTs, Max. 9.6kW PV input
- On/off-grid switching
- Battery module level monitoring
- PV or AC or Generator wake up battery
- Expandable storage – Up to 16pcs in parallel
- Remote monitoring and firmware updates with battery



Model	Eco Beast
INVERTER MODULE	
Input (PV DC)	
Max. PV input power (W)	9600(4800/4800)
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 input per MPPT (A)	25/25
Max. PV charging current (A)	140
Battery Input	
Battery voltage (V)	38.4~60
Max. charging/discharging current (A)	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)	140
AC Output@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<7ms@Single; <20ms@Parallel
Gen	
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. parallel (Default)	2PCS
Max. discharging current (A)	100
Max. charging current (A)	100
Dimension (W*H*D) (mm)	580*434*165mm / 22.8*17.1*6.5 in
Net weight	54kg / 119.1lbs
Standard	UN38.3, CE
Protection/General Specifications	
Grid monitoring	YES
AC surge protection	Type III
Safety certification	CE, UN38.3, NRS097
Dimension(W*H*D) (mm)	580*1300*165mm / 22.8*51.2*6.5 in
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,EN/IEC62109-1/-2,EN61000	