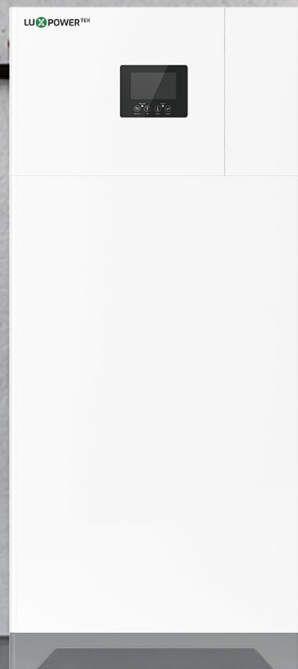


ALL IN ONE //

Eco Beast Pro

All-in-One Energy Storage System
For Smarter, Greener Living



6.5kW output
9.6kW PV input



140A
charge/discharge



<7ms
Seamless switching

- 2x surge power (5s)
- Pure sine wave, stable backup power
- PV/Grid/Generator input
- Compact cabinet, fast installation

- 93% system efficiency
- AC surge protection & grid monitoring
- Full system visibility in real time
- Remote control and upgrade via LuxCloud

SPECIFICATIONS

INVERTER MODULE		Eco Beast Pro
Input (PV DC)		
Max. PV input power (W)		9600 (4800 / 4800)
Rated PV input voltage (V)		320
Number of independent MPPT inputs		2
Max. PV input voltage (V)		500
MPPT voltage range (V)		120 ~ 400
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
AC Output (Backup)		
Output voltage waveform		Pure sine wave
Output voltage regulation (V)		208 / 220 / 230 / 240 ± 5%
Output frequency (Hz)		50 / 60
Rated output power (W)		6500
Rated output current (A)		28.3
Peak efficiency		93%
Overload protection		5s@≥150% load; 10s@110%~150% load
Surge power		2 × rated power for 5s
Switching time		<7ms@Single; <20ms@Parallel
AC Input		
Rated input voltage (V)		230
Rated input frequency (Hz)		50 / 60
Max. AC input current (A)		45
Max. AC input power (W)		9000
Max. AC charging current (A)		140
Rated AC current of bypass relays (A)		40
GEN		
Rated GEN voltage (V)		230
Rated GEN frequency (Hz)		50 / 60
Rated GEN input current (A)		32
Rated GEN input power (W)		7370
Efficiency		
Max. efficiency		93.0%
Max. charge / discharge efficiency		93.0%
Protection		
Grid monitoring		YES
AC surge protection		Type III
General Specifications		
Weight		16.5 kg / 36.4 lbs
Dimension (W × H × D)		580 × 425 × 175 mm / 22.8 × 16.7 × 6.89 in
Ingress protection rating		IP20
Display & Communication interface		LCD + LED, RS485 / Wi-Fi / CAN
Cooling method		Smart cooling
Topology		Transformerless
Warranty		3 years (Inverter Module); 5 years (Battery Module)
Noise emission (dB)		< 50
Operating temperature range (°C)		0 ~ 50
Storage temperature (°C)		-15 ~ 60
Humidity		5% to 95% Relative Humidity (Non-condensing)
Max. operating altitude (m)		2000
Standards & Certification		
		IEC 62109-1, IEC 61000, IEC62040/EN62040, IEC62109, NRS 097-2-1

BATTERY MODULE	Beast 10	Beast 15
Battery module voltage (V)	45.6-58.4	38.4-60
Number of modules per inverter		1
Battery energy (kWh)	10.5	15
Rated voltage (V)		51.2
Rated capacity (Ah)	205	300
Battery type		Lithium-ion
Max. discharging current (A)		140
Max. charging current (A)		140
Battery module weight	TBD	98 kg / 216.1 lbs
Battery module dimension (W × H × D)		580×950×175 mm / 22.8×37.4×6.89 in