

ALL-IN-ONE //

Eco Beast Pro

(Single-Phase)



9.6/6.5kW

PV input/AC Output power



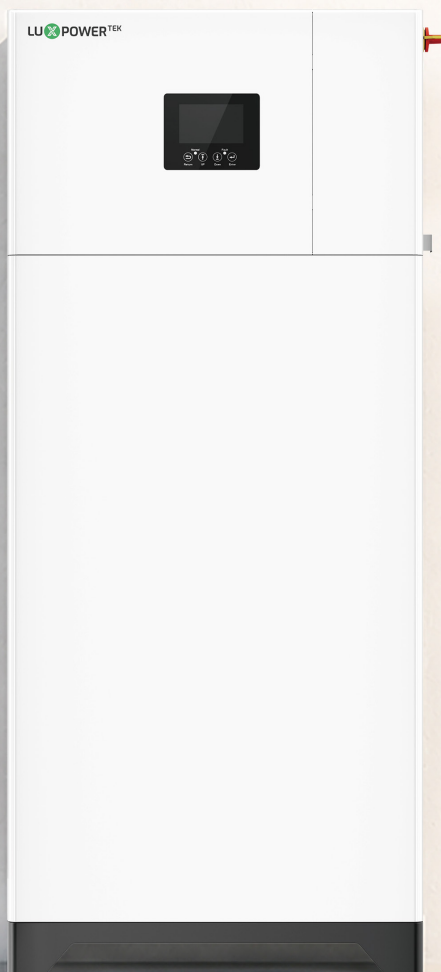
140A

Max. Charge/discharge current



<7ms

Seamless switching



(10kWh/16kWh optional)

- 2× surge power (5s)
- Pure sine wave, stable backup power
- PV/Grid/Generator input
- 10 kWh/16 kWh integrated battery options
- 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
Switching time		<7ms@Single ; <20ms@Parallel
Overload protection		5s@≥150% load ; 10s@110%~150% load
Surge power		2 × rated power for 5s
THDV		< 3%
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
Max. continuous AC passthrough current (A)		40
THDI		< 5%
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		99.9%
MPPT 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 × 350 × 175 mm / 22.8 × 13.8 × 6.89 in
Base weight		2.5kg / 5.51lbs
Base dimension (W × H × D)		580 × 80 × 175 mm / 22.8 × 3.2 × 6.9 in
Ingress protection rating		IP20
Display & Communication interface		LCD + LED, RS485 / Wi-Fi / CAN
Cooling method		Smart cooling
Topology on AC / Battery side		Transformerless / Transformer
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 16
Battery module voltage (V)	45.6-58.4	38.4-60
Number of modules per inverter		1
Battery energy (kWh)	10.5	16
Rated voltage (V)		51.2
Rated capacity (Ah)	205	314
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