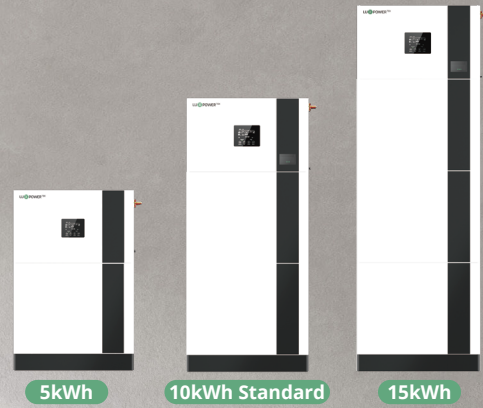


LU X POWER^{TEK}

ALL-IN-ONE //

Eco Beast

(Single-Phase)



9.6kW

Max. PV input power



6kW

AC output power



Stackable

Modular battery



- Battery module level monitoring
- On/off-grid switching
- Remote monitoring and battery firmware updates
- PV or AC or generator wake up battery

SPECIFICATIONS

INVERTER MODULE		Eco Beast 6000
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)
Max. PV input voltage (V)		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
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)		6000
Rated output current (A)		26.5
Peak efficiency		93%
Overload protection		5s@≥150% overload ; 10s@110%~150% overload
Surge power		2 × rated power for 5s
Switching time		<7ms@Single ; <20ms@Parallel
THDV		< 3%
AC Input		
Rated input voltage (V)		230
Rated 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
Rated AC current of bypass relays (A)		60
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
THDI		< 5%
Efficiency		
MPPT efficiency		99.9%
Max. efficiency		93.5%
Max. charge / discharge efficiency		93.0%
Protection		
Grid monitoring		YES
AC surge protection		Type III
General Specifications		
Inverter module weight		17.5 kg / 38.6 lbs
Inverter module dimension (W × H × D)		580 × 350 × 165 mm / 22.8 × 13.8 × 6.5 in
Base weight		3.4 kg / 7.5 lbs
Base dimension (W × H × D)		580 × 40 × 165 mm / 22.8 × 1.6 × 6.5 in
Ingress protection rating		IP20
Display & Communication interface		LCD + LED, RS485 / Wi-Fi / CAN
Cooling method		Smart cooling
Topology		Transformerless
Noise emission (dB)		< 58
Operating temperature range (°C)		0 ~ 45
Storage temperature (°C)		-15 ~ 60
Humidity		5% to 95% Relative Humidity (Non-condensing)
Max. operating altitude (m)		2000
Standards & Certification		
NRS097-2-1:2024, EN/IEC62109-1/-2, EN61000, EN62920		

BATTERY MODULE		Battery Beast-5
Battery module voltage (V)		38.4 ~ 60
Number of modules per inverter		1 ~ 3
Battery energy (kWh)		5.12
Rated voltage (V)		51.2
Rated capacity (Ah)		100
Battery type		Lithium-ion
Max. discharging current (A)		100
Max. charging current (A)		100
Dimension (W × H × D)		580 × 434 × 165 mm / 22.8 × 17.1 × 6.5 in
Net weight		54 kg / 119.1 lbs
Standard		UN38.3; CE