

Pwr Box ESS LFP 125kW / 261kWh

SAFE

Smart liquid-cooled temperature control maintains battery consistency (≤2.5°C), extending lifespan by 15%. Proven reliability through extensive destructive testing (short circuits, fire resistance, etc.).

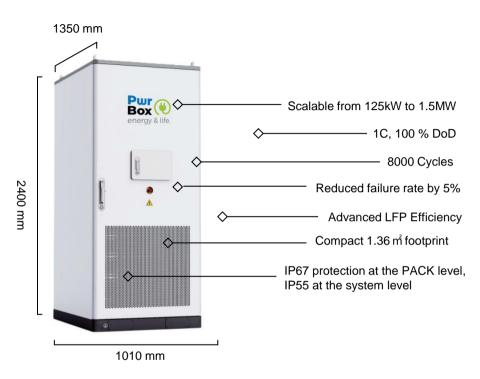
Multi-level electrical protection with advanced BMS, EMS, and thermal backup, Integrated fire safety: early thermal runaway detection, gas/smoke monitoring, and automatic fire suppression.

SMART

Real-time leakage monitoring and automated maintenance minimize on-site work.

Cloud-based remote monitoring and smart AI balancing for battery life optimization.

Black start capability for reliable offgrid and micro-grid operation. Supports multiple operation modes: VPP, grid-connected, and off-grid, enhancing revenue potential.



5 YEARS Materials and workmanship guarentee

10 YEARS

78 % Output Power guarentee

CYCLES

8000 Cycles Power guarentee

Electrical Characteristics		Mechanical Specifications	
DC parameters		Cooling mode	liquid-cooled (PACK), liquid-cooled (PCS)
Cell Type Rated capacity	LFP-3,2V-314Ah 261,24 kWh	Fire protection	Flammable gas detector + Aerosol + Explosion vent panel + Water fire protection + Acousto-optic alarm
Nominal Voltage	824 V	Anti-corrosive level	C4
Voltage Range	720 – 936 V	Ingress protection	IP55
Charge-discharge rate	< 0,5 CP	Operating ambient	00 5500
AC parameters (on-grid)		temperature	-20 – 55 °C
Rated power	125 kW	Storage temperature	-30 − 50 °C
Grid voltage	400 V, 3P	Storage SOC	30 – 50 % < 6 months
Rated current	3 x 180 A	Operating humidity	0 – 95 % RH
Rated frequency	50 Hz (45-55 Hz)	Self condensation	No
THD	<3 %	Installation mode	Indoor / Outdoor
Power factor	> 0,99 (rated power)	System communication	Ethernet, RS485
Power factor range	- 1 (lead) to +1 (lag)	Com protocol	Modbus TCP/RTU, MQTT
AC parameters (off-grid)		Altitude	< 2000 m
Off-grid voltage	400 V (- 5 % to + 5 %)	Dimensions	W1400 x D1300 x H2375 mm
Off-grid frequency	50 Hz	Weight	2600 kg
Off-grid voltage distortion rate	< 1 % (linear load)	Certificate	IEC 62619,IEC 60730-1,IEC 63056,IEC 62933-5-2,IEC
Unbalanced Load Capacity	100%		61000-6-2/-4,UN38.3,IEC 62477-1,AS4777.2, EN50549-1

