

Wall-Mounted Outdoor LFP Battery



Superior performance



Enhanced Cycle Life



EcoX 12100 SE



Lighter

- 50% lighter than lead-acid batteries of the same capacity



Long-lasting

- Up to 4000+ cycles, maximizing your return on investment



Scalable on Demand

- Supports up to 8 batteries in parallel, with a maximum energy of 10.24 kWh



Higher Charge/Discharge Rate

- 30% higher energy density than lithium iron phosphate batteries of the same capacity



Remote Monitoring

- Operation indicator, warning light, and SOC indicator allow you to monitor the battery status in real-time



Self-heat

- Built-in heating film, supports battery charging in cold environments

Applications



Electrical

Nominal Voltage	12.8VDC
Nominal Capacity	100Ah
Internal Resistance	<10mΩ
Round-Trip Efficiency	99%
Self-discharge Rate	≤3% per month
Scalability	8P
Cycle Life	>4000
Maximum Continuous Discharge Current	100A
Peak Discharge Current	200A@10s
Maximum Continuous Charge Current	100A
Recommended Charge Current	≤50A
Recommended Charge Voltage	14V~14.4V

Environmental

Recommended Storage Temperature	50°F~104°F (10°C~40°C)
Storage Temperature	-4°F~140°F (-20°C~60°C)
Working Temperature	-4°F~122°F (-20°C~50°C)
	When the temperature is below 32°F (0 °C) and charging is required, please connect the charger to initiate heating. The battery will start to charge when cell temperature reaches 32°F (0 °C) .
Autitude	<13123 ft (4000 m)
Relative Humidity	5%~95% (no condensation)

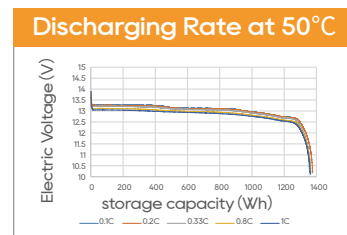
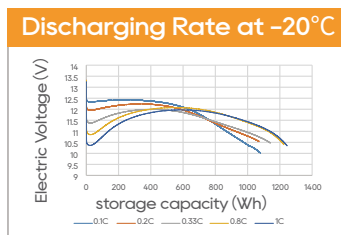
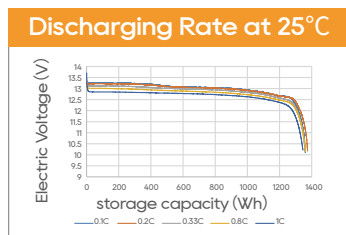
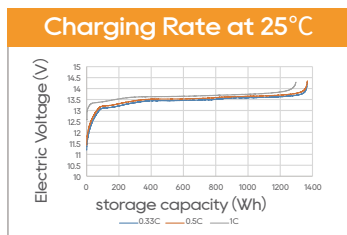
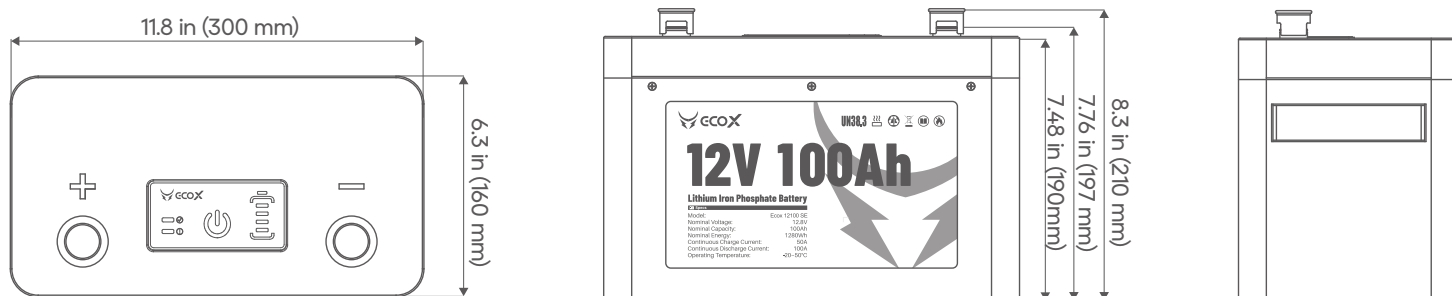
Mechanical

Dimensions	11.8 x 6.3 x 8.3 inches (300 x 160 x 210 mm)
Weight	approx 26.4 lbs (12kg)
Terminal Type	M8 x 1.25 x 14mm
Terminal Torque	8±1Nm
Housing Material	Metal
Ingress Protection	IP20
Battery Type	LFP
Cooling	Nature Cooling

Other

Certification	IEC62619, UN38.3, MSDS
Heating	Support

Dimensions



* The above data is based on controlled environment test records, and actual usage may vary depending on external environmental conditions.

