

Wall-Mounted Outdoor LFP Battery

LFP

Superior performance

IP67

Outdoor Rating

4500+

Enhanced Cycle Life



Ecox 12100



Lighter

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



Higher Charge/Discharge Rate

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



Long-lasting

- Up to 4500+ cycles, maximizing your return on investment



Remote Monitoring

- Built-in Bluetooth module, supports real-time battery monitoring via mobile devices



Scalable on Demand

- Supports up to 16 batteries in 4S4P configuration, with a maximum energy of 40.96 kWh

Applications



Electrical

Nominal Voltage	12.8VDC
Nominal Capacity	100Ah
Internal Resistance	<10mΩ
Round-Trip Efficiency	99%
Self-discharge Rate	≤3% per month
Scalability	4S4P
Cycle Life	>4500
Maximum Continuous Discharge Current	100A
Maximum Discharge Current	200A@30s
Maximum Continuous Charge Current	100A
Recommended Continuous Charge Current	≤50A
Recommended Charge Voltage	14V~14.4V

Environmental

Recommend Storage Temperature	50°F~95°F (10°C~35°C)
Discharging Temperature	-40°F~140°F (-40°C~60°C)
Working Temperature	-4°F~140°F (-20°C~60°C)
	Battery will not support charge when temperature is below 32°F(0 °C)
Autitude	<4000 m (13123 ft)
Relative Humidity	5%~95% (no condensation)

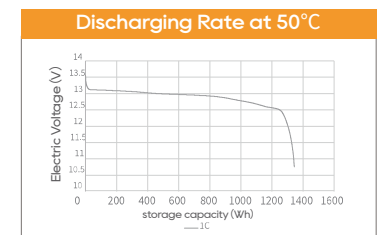
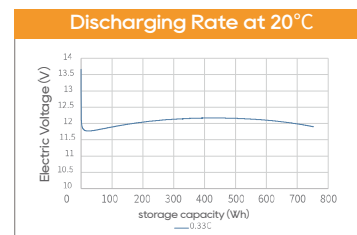
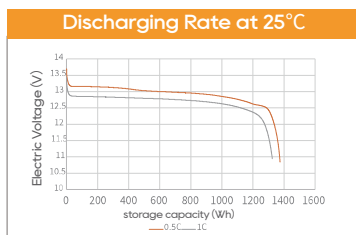
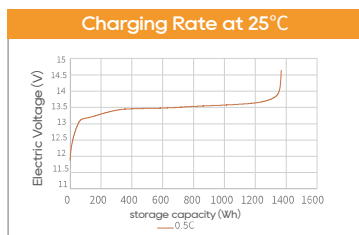
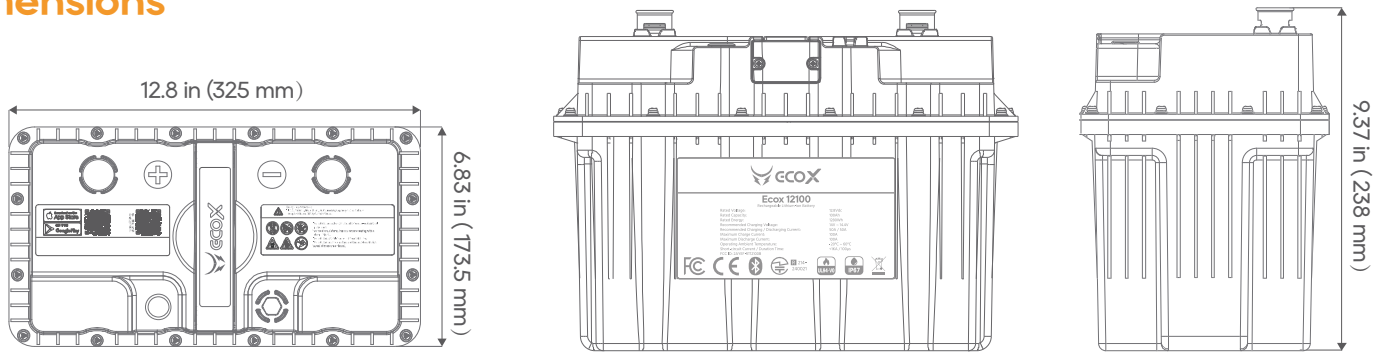
Mechanica

Dimensions	12.8 x 6.83 x 9.37 in (325 x 173.5 x 238 mm)
Weight	approx 26.46 lbs (12 kg)
Terminal Type	M8 x 14
Terminal Torque	9 ± 1Nm
Housing Material	PC
Ingress Protection	IP67
Battery Type	LFP

Other

Certification	UN38.3, TELEC, IEC2619, FCC, Bluetooth SIG
Communication	BLE 5.0
APP	Battery Cloud

Dimensions



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

Pytes
Power a Better Life

PYTES(USA)ENERGY, INC
Address: 13921 Senlac Dr, Farmers Branch, TX 75234
E-Mail: pytesusa@pytesgroup.com
Website: www.pytesusa.com

