

Wall-Mounted Outdoor LFP Battery



Superior performance



Outdoor Rating



Enhanced Cycle Life



EcoX 12200



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 16 batteries in 4S4P configuration, with a maximum energy of 40.96 kWh



Higher Charge/Discharge Rate

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



Remote Monitoring

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



Self-heat

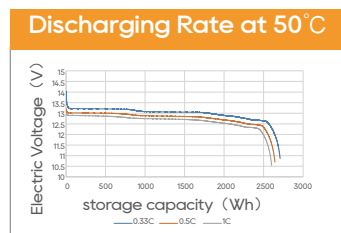
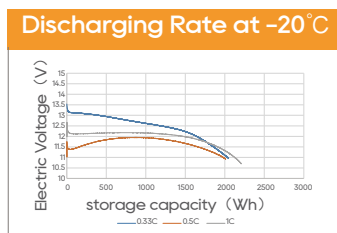
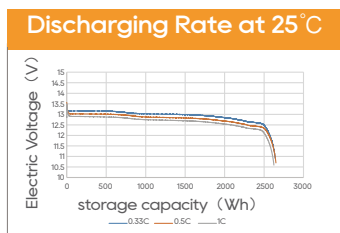
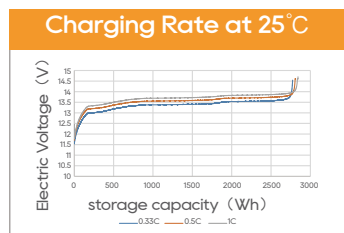
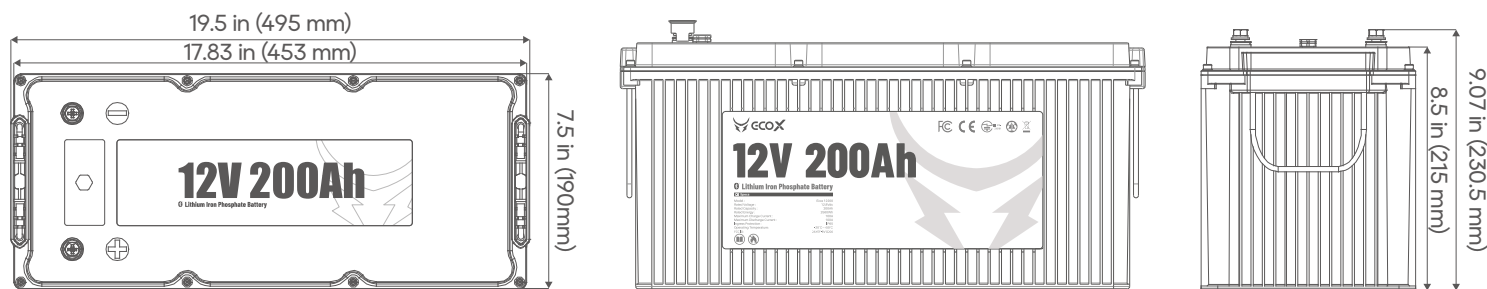
- Built-in heating film, supports battery charging in cold environments

Applications



Electrical	
Nominal Voltage	12.8VDC
Nominal Capacity	200Ah
Internal Resistance	<10mΩ
Round-Trip Efficiency	99%
Self-discharge Rate	≤3% per month
Scalability	4S4P
Cycle Life	>4000
Maximum Continuous Discharge Current	100A
Maximum Discharge Current	200A@5s
Maximum Continuous Charge Current	100A
Recommended Charge Voltage	14V-14.6V
Environmental	
Discharging Temperature	-4°F~140°F (-20°C~60°C)
Charging Temperature	32°F~131°F (0°C~55°C)
Storage Temperature	-40°F~140°F (-40°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	19.5 x 7.5 x 8.5 inches (495 x 190 x 215 mm)
Weight	approx 45.98 lbs (20.9 kg)
Terminal Type	M8 x 1.25 x 14mm
Terminal Torque	9±1Nm
Housing Material	PC
Ingress Protection	IP65
Battery Type	LFP
Other	
Certification	IEC62619, TELEC, FCC, CE, Bluetooth SIG
Communication	BLE 5.0
Heating Film	Support
APP	Battery Cloud

Dimensions



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

