

# Ecox 12200



## Features



### 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 4000+ 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



### Self-heat

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

## Application Scenarios

The Ecox 12200 is suitable for deep-cycle off-grid applications such as RVs, boats, trucks, and cabins, and can replace deep-cycle lead-acid batteries



# Ecox 12200 Specs

## 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 (80% DOD, 0.5 C, 25°C)
Maximum Continuous Discharge Current	100A
Maximum Discharge Current	200A@5s
Maximum Continuous Charge Current	100A
Recommended Charge Voltage	14V-14.6V

## Environmental

Discharging Temperature	-20°C~60°C
Charging Temperature	0°C~55°C
Storage Temperature	-40°C~60°C
Autitude	<4000m
Relative Humidity	5%~95% (no condensation)

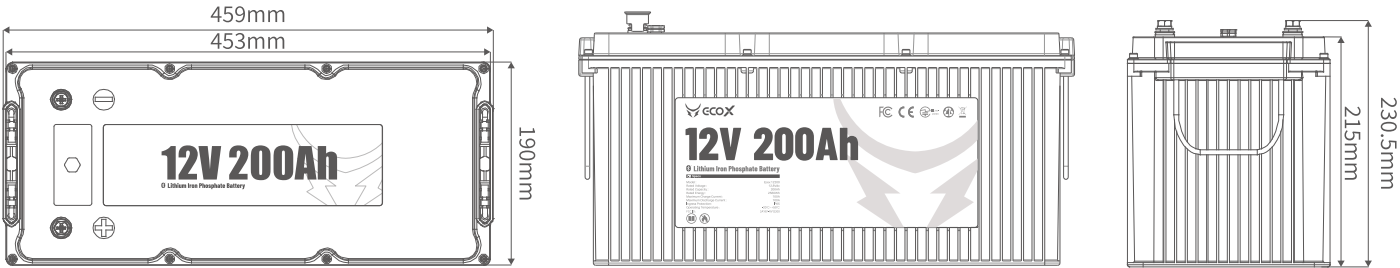
## Mechanical

Dimensions	495 x 190 x 234.5 mm
Weight	approx 20.9kg
Terminal Type	M8 x 1.25 x 14mm
Terminal Torque	9±1Nm
Housing Material	PC
Ingress Protection	IP65
Battery Type	LFP

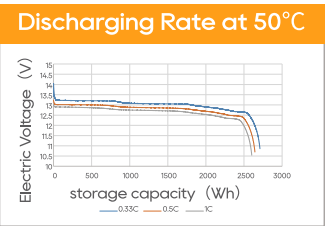
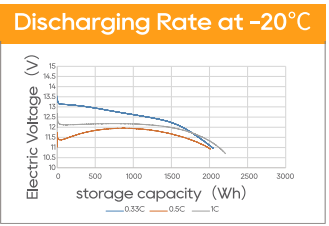
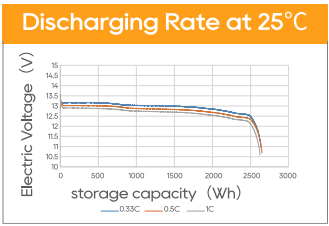
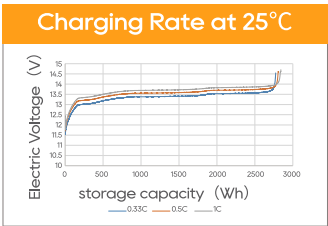
## Other

Certification	UN38.3, IEC 62619, FCC, CE
Communication	BLE 5.0
Heating Film	Support
APP	Battery Cloud

# Dimensions



Unit: mm



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