ECOX 12100 SE

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

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

Scalable on Demand

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

Self-heat

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

Application Scenarios

Ecox 12100 SE is suitable for deep-cycle off-grid applications such as RVs, boats, trucks, and cabins, and can replace deep-cycle lead-acid batteries

Ecox 12100 SE Specs

Electrical

Nominal Voltage	12.8VDC
Nominal Capacity	100Ah
Internal Resistance	<10mΩ
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

Recommened Storage Temperature	50°F~104°F , 10°C~40°C
Storage Temperature	-4°F~122°F , -20°C~50°C
Autitude	<4000m
Relative Humidity	5%~95% (no condensation)

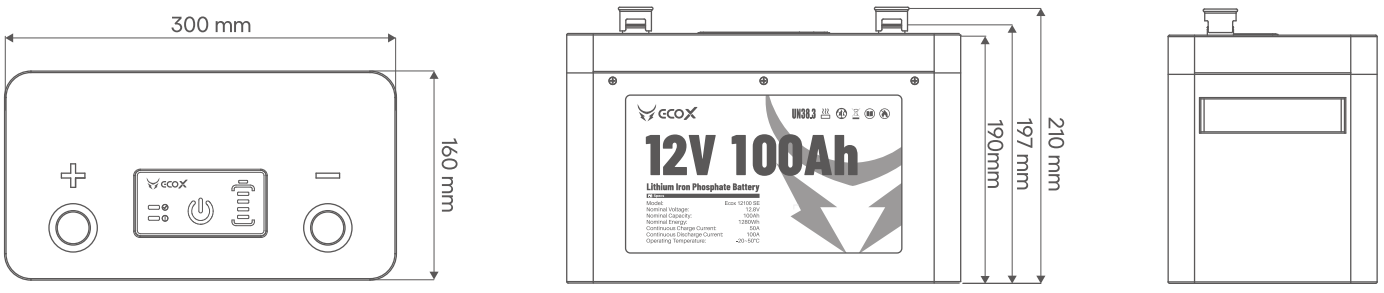
Mechanical

Dimensions	300 x 160 x 210 mm
Weight	approx 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

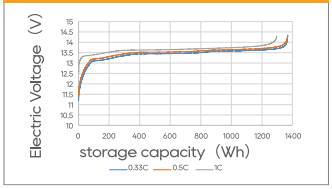
Certification	UN38.3, IEC 62619, CE
Heating	Support

Dimensions

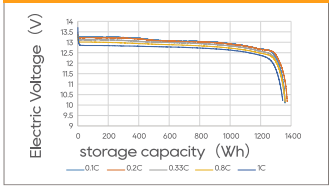


Unit: mm

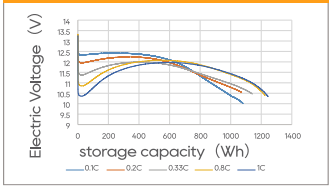
Charging Rate at 25°C



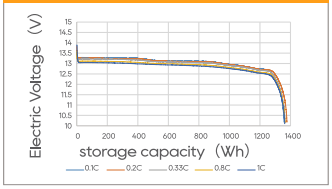
Discharging Rate at 25°C



Discharging Rate at -20°C



Discharging Rate at 50°C



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