

# RV12200



## APPLICATION

RV12200 is designed to replace deep cycle lead-acid batteries. The battery is perfect for recreational vehicles (RV), marine (boats), trucks, cabins, and other off-grid deep-cycle applications.



### High Reliability

In case of system failure, the battery will actively cut off the external input and output to ensure safety.



### 50%

lighter than the lead acid battery of the same capacity.



### 30%

higher than the energy density of the LiFePO<sub>4</sub> battery of the same capacity.



### APP

The built-in Bluetooth module allows real-time monitoring via mobile devices.



### 4S4P/1S16P

Up to 16 batteries in 4S4P/1S16P connection, building a battery system with a max. energy output of 40.96 kWh.



### Self-heating

The internal heating film allows the battery to be charged in extreme cold.



### 4000+

More than 4,000 lifecycles to maximum your ROI.

# SPECIFICATION

Model: RV12200

## Electrical Specifications

Nominal Voltage	12.8 VDC
Nominal Capacity	200 Ah
Resistance	< 10mΩ
Efficiency	99%
Self Discharge	≤ 3% per month
Max. Batteries in Parallel or Series	4S4P/1S16P
Cycle Life	> 4000
Max. Continuous Discharging Current	100 A
Peak Discharging Current	200 A@5 s
Max. Continuous Charging Current	100 A
Recommended Charging Voltage	14 V~14.6 V

## Environment Specifications

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)
Operating Temperature	-4 °F ~ 122 °F (-20 °C ~ 50 °C) <small>*If charging is required when the temperature is below 32 °F (0 °C), please connect the charger to enable the heating film. The battery starts charging when the cell temperature is heated to above 32 °F (0 °C).</small>
Max. Altitude	13123 ft (4000 m)
Relative Humidity	5% ~ 95% (non-condensing)

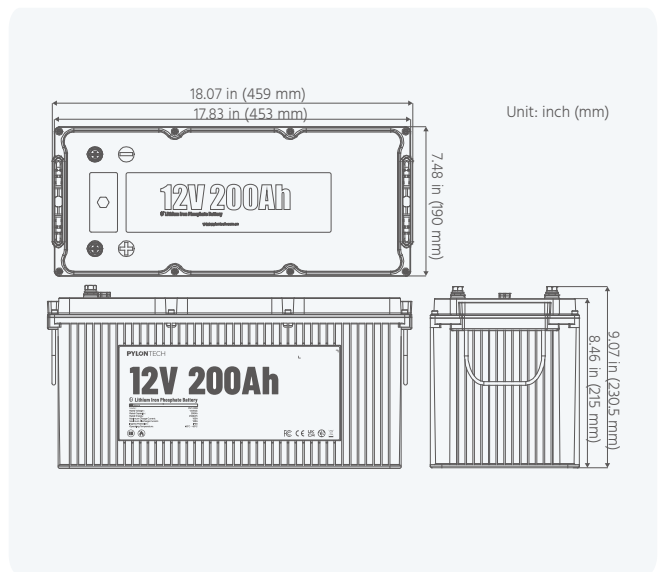
## Other

Certifications	IEC62619, TELEC, FCC, CE, Bluetooth SIG
Communication	BLE 5.0
Heating Film	Support
Mobile APP	Pylontech Auto

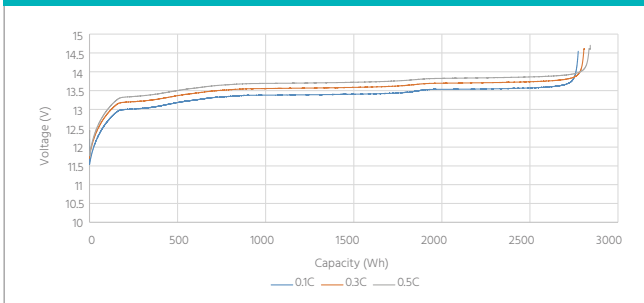
## Mechanical Specifications

Dimensions (L × W × H)	18.07 × 7.48 × 8.46 in (459 × 190 × 215 mm)
Weight	Approx. 46.08 lbs (20.9 kg)
Terminal Type	M8 × 1.25 × 14 mm
Terminal Torque	9 ± 1 Nm
Case Material	PC
IP Rating	IP65
Cell Type-chemistry	LiFePO <sub>4</sub>

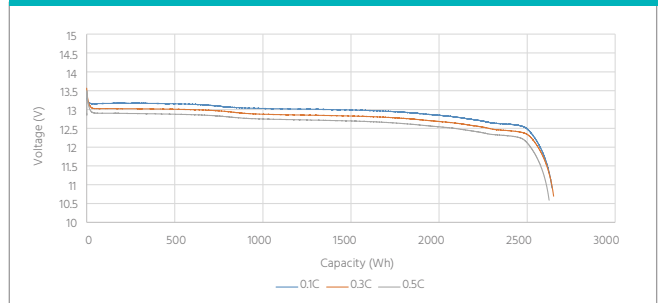
## Dimensions



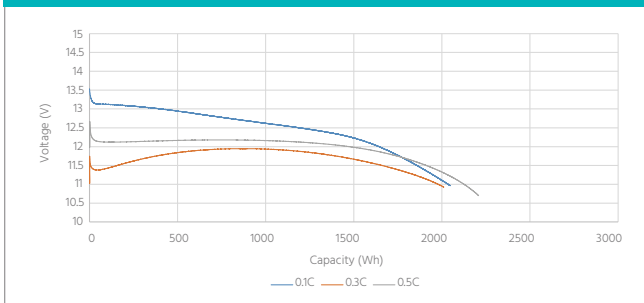
## Charge at different rates at 77 °F (25 °C)



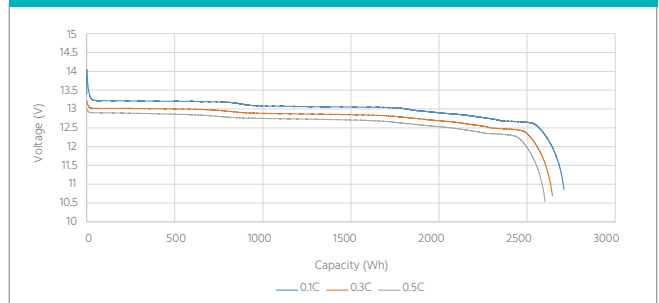
## Discharge at different rates at 77 °F (25 °C)



## Discharge at different rates at -4 °F (-20 °C)



## Discharge at different rates at 122 °F (50 °C)



\*Product performance is based on testing in a controlled environment. Your results may vary due to several external and environmental factors.

