



Deep-cycle Batteries

LiFePO₄

RV12100CH



50%

lighter than the lead acid battery of the same capacity.

30%

higher than the energy density of the LiFePO₄ battery of the same capacity.

4500+

More than 4,500 lifecycles to maximize your ROI.

Real-time Monitoring

The running indicator, alarm indicator and SoC indicators allow you to monitor battery status in real time.

1S8P

Up to 8 batteries in 1S8P connection, building a battery system with a max. energy output of 10.24 kWh.

Self-heating

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

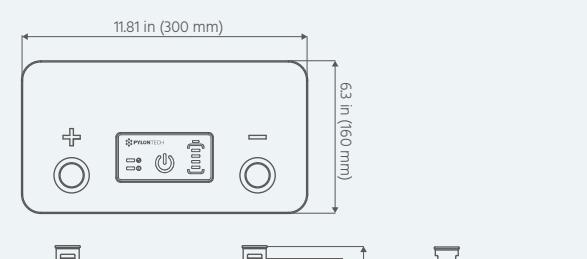
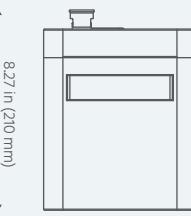
APPLICATION

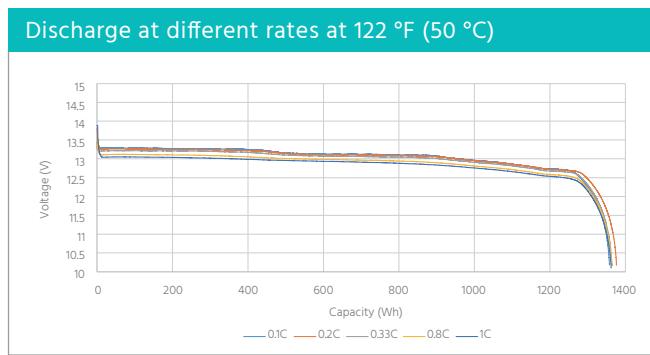
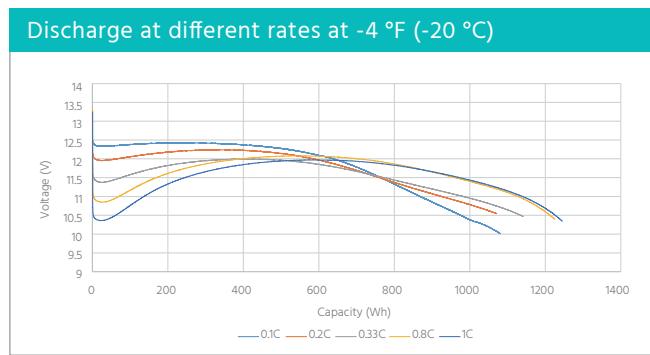
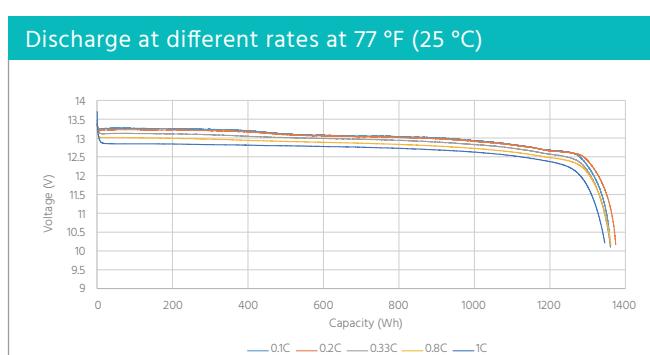
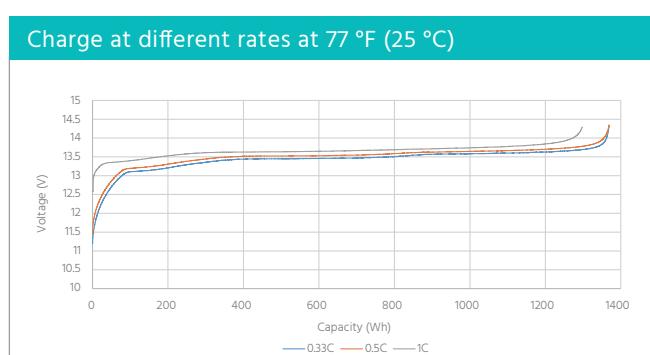
RV12100CH is designed to replace deep cycle lead-acid batteries. The battery is perfect for recreational vehicles (RV), marine (boats), trucks, cabins, and other off-grid deep-cycle applications.



SPECIFICATION

Model: RV12100CH

Electrical Specifications		Mechanical Specifications	
Nominal Voltage	12.8 VDC	Dimensions (L × W × H)	11.81 × 6.3 × 8.27 in (300 × 160 × 210 mm)
Nominal Capacity	100 Ah	Weight	Approx. 26.46 lbs (12 kg)
Resistance	< 10 mΩ	Terminal Type	M8 × 1.25 × 14 mm
Efficiency	99%	Terminal Torque	8 ± 1 Nm
Self Discharge	≤ 3% per month	Case Material	Metal
Max. Batteries in Parallel	16	IP Rating	IP20
Cycle Life	> 4500	Cell Type-chemistry	LiFePO4
Max. Continuous Discharging Current	100 A	Cooling	Natural Cooling
Peak Discharging Current	200 A@10 s		
Max. Continuous Charging Current	100 A		
Recommended Continuous Charging Current	≤ 50 A		
Recommended Charging Voltage	14 V~14.4 V		
Environment Specifications		Dimensions	
Recommended Storage Temperature	50 °F ~ 104 °F (10 °C ~ 40 °C)		
Storage Temperature Range	-4 °F ~ 140 °F (-20 °C ~ 60 °C)		
Operating Temperature	-4 °F ~ 122 °F (-20 °C ~ 50 °C)		
Max. Altitude	13123 ft (4000 m)	<small>Unit: inch (mm)</small>	
Relative Humidity	5% ~ 95% (non-condensing)		
Other			
Certifications	UN38.3, MSDS		
Heating Film	Support		



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



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