

# BESS ENERSMART

RV BATTERY, POWERED BY INTELLIGENT  
LITHIUM-ION TECHNOLOGY



## Longer Service Life



ACE LFP battery with higher energy density, more stable performance and higher power is adopted, so it has excellent quality. In cyclic applications, under the condition of 70%DOD, its life exceeds 5000 cycles.



## Install Anywhere



Stable use under high (149 ° F) and low (-4 ° F) extreme temperatures, and the highest level of safety based on UL test certificate of battery internal cells. They can run in various systems, including boat, yacht, motorhome, van, cabin, home backup power, and more.



## 98% Efficiency



EACE LiFePO4 battery's flat discharge curve holds above 10.8V for up to 98% of its capacity usage, providing astronomical boosts in run-time compared to only 50% in Lead Acid. Without memory effect, no matter what state the battery is, it can be used as soon as it is charged.



## Excellent Deep Discharge Recovery



The patented diaphragm component and a little graphenes ensure the excellent recovery capability after excessive deep discharge. The ACE battery can discharge more.



## Maintenance Free & No Leakage



ACE battery adopts iron-lithium battery cells and built-in intelligent BMS, which can keep the battery working normally without maintenance.



## Modular Design



Can support max 4pcs in series and 10 pcs in parallel connection.

# TECHNICAL DATA

Model	RV-12100	RV-12100HP	RV-12230	RV-12230HP	RV-4850
Dimension	13.0*6.8*8.5 inch (330 *172 * 216 mm)		15.2*6.7*9.5 inch (385*168*240 mm)		13.6*7.5*9.7 inch (345 *190* 245 mm)
Weight	28.7 lbs (13.0 kg)		64.8 lbs (28.5 kg)		45.0 lbs (20.5 kg)
Available Capacity	100 Ah (1280 Wh)		230 Ah (2944 Wh)		50 Ah (2048 Wh)
System / Nominal Voltage	12 V / 12.8 V		12 V / 12.8 V		48 V / 51.2 V
Continuous Charge Current	20 A		50 A		20 A
Continuous Discharge Current	120 A		200 A		63 A
Max. Load / Inverter Power	1536 W		2560 W		3226 W
IP Rating	IP65	IP67	IP65	IP67	IP65
Communication	CANBus/RS485	CANBus/RS485 / Bluetooth	CANBus/RS485 / Bluetooth	CANBus/RS485/Bluetooth	CANBus /RS485
Battery Technology	LFP				
Charge Temperature	32°F to 140°F (0°C to 60°C) *		-4°F to 140°F (-20°C to 60°C)		32°F to 140°F (0°C to 60°C) *
Discharge Temperature	-4°F to 149°F (-20°C to 65°C)				
Cycle Life	5000 cycles **				
Connection	Can support max 4pcs in series and 10 pcs in parallel connection				
Terminal	M8 Threaded Insert				
Charger	Compatible with ACE Charger and approved chargers				

\*with heating option -4°F to 140°F (-20°C to 60°C)

\*\*vary with operating conditions

## Application scenarios



RV Battery



Camping



Small Yacht



Travel Trailer

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