

RedCap Lithium (LiFePO4) Battery

12V-345Ah BMS 200A/200A

WiFi, Bluetooth and Heat



ELECTRICAL SPECIFICATIONS

Nominal Voltage	12.8V
Nominal Capacity	345Ah
Nominal Energy	4416Wh
Internal Resistance	$\leq 22\text{m}\Omega$
Control	Battery management system 200A
Self Discharge	$\leq 3\%$ /per month
Connection In Series	up to 4 units in series ($\leq 51.2\text{V}$)
Connection In Parallel	Up to 4 Units in Parallel

MECHANICAL SPECIFICATIONS

Terminal Type	M8
Weight	28.5/29.6kg
Case Dimension(L*W*H)	353*198*250mm
Cell type / Chemistry	LiFePO4
Case type	ABS
Function	Bluetooth+WiFi
BMS: low voltage, high voltage, over temperature over current, short-circuit protection, etc.	

Discharge Current and Voltage Specifications

Max. Continuous Discharge Current	200A
Peak Current	300A(3~5s)
Discharge pulse current	11.6~12.0V
BMS Low Voltage Cut-off	10.5V
BMS Reconnect Voltage	11.2~11.6V
Short Circuit Protection	Auto recover or charge release

Charge Current and Voltage Specifications

Max. Charge Current	200A
Recommended Charge Current	160A
Recommend Charge voltage	14.4V $\pm$ 0.2V
BMS Over Charge Voltage Cut-off	14.6V
BMS Reconnect Voltage	13.8V
Balancing Voltage	13.6~13.8V

Temperature Ranges

Discharge Temperature	-20~+65°C
Charge Temperature	-20~+45°C
Storage Temperature Range	-10~+45°C
BMS High Temperature Protection	70°C
Battery High Temperature Protection	60°C

Certifications	CE,RoHS,UN38.3,MSDS
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Cycle life: Longer than traditional lithium batteries with up to 6 000 charge and discharge cycles

