

RedCap Lithium (LiFeP04) Battery

12V-345Ah BMS 200A/200A

WiFi, Bluetooth and Heat



ELECTRICAL SPECIFICATIONS		MECHANICAL SPECIFICATIONS	
Nominal Voltage	12.8V	Terminal Type	M8
Nominal Capacity	345Ah	Weight	27,16kg
Nominal Energy	4416Wh	Case Dimension(L*W*H)	353*198*250mm
Internal Resistance	$\leq 22\text{m}\Omega$	Cell type / Chemistry	LiFePO4
Control	Battery management system 200A	Case type	ABS
Self Discharge	$\leq 3\%$ /per month	Function	Bluetooth+WiFi
Connection In Series	up to 4 units in series ($\leq 51.2\text{V}$)	BMS: low voltage, high voltage, over temperature over current, short-circuit protection, etc.	
Connection In Parallel	Up to 4 Units in Parallel		

Discharge Current and Voltage Specifications		Charge Current and Voltage Specifications	
Max. Continuous Discharge Current	200A	Max. Charge Current	200A
Peak Current	300A(3~5s)	Recommended Charge Current	160A
Discharge pulse current	11.6~12.0V	Recommend Charge voltage	14.4V $\pm$ 0.2V
BMS Low Voltage Cut-off	10.5V	BMS Over Charge Voltage Cut-off	14.6V
BMS Reconnect Voltage	11.2~11.6V	BMS Reconnect Voltage	13.8V
Short Circuit Protection	Auto recover or charge release	Balancing Voltage	13.6~13.8V
Temperature Ranges		Certifications	CE,RoHS,UN38.3,MSDS

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



Cycle life: Longer than traditional lithium batteries with up to 6 000 charge and discharge cycles

