

3.2V56Ah LiFePO4 Battery Specification

Item	Specification	Remarks
Nominal Capacity	56Ah	@0.2C discharge , 2.5V cut off
Typical Capacity	55Ah	@0.2C discharge , 2.5V cut off
Minimum Energy	176Wh	@0.2C discharge , 2.5V cut off
Nominal Voltage	3.2V	
Charge Voltage	3.65±0.02V	
Charge Mode	CC/CV	
Charge	Standard charge : 0.2C	Charge at 0.2C to 3.65V, then 3.65V (constant voltage) until the charge current is less than 0.02C cut off
	Rapid charge : 1.0C	Charge at 1C charge to 3.65V, then 3.65V (constant voltage) until the charge current is less than 0.02C, cut off.
Discharge	Standard Discharge : 0.2C	Constant Current 0.2C, cut-off Voltage 2.5V
	Rapid Discharge : 1.0C	Constant Current 1C, cut-off Voltage 2.5V
Max. Charge Current	1.0C	1.0C(45°C≥T≥10°C) ; 0.2C(10°C>T≥0°C)
Cont. Discharge Current	2.0C to 2.5V	0.5C(50°C> T≥ 45°C) ; 2.0C(45°C>T≥5°C) ; 0.2C(5°C>T≥-20°C)
Max. Discharge Current	3.0C	3.0C(45°C≥T≥5°C)
Inner Resistance	≤ 2.0mΩ	1kHz AC Method
Weight (Approx.)	1450±30g	
Dimensions	Thickness(max): 30mm	25 ±2°C
	Width(max): 135mm	
	Length(max): 185mm	
Cycle Life	≤ 2000 times	@0.1C discharge, 100% DOD
Operating Temperature	Charge: 0 ~ 45°C	
	Discharge : -20 ~60°C	
Storage Temperature	1 year : 10~20°C	At 50% SOC
	3 months : -0~25°C	
	1 month : -20~30°C	
Storage Humidity	5%≤ RH≤ 85%	