

power-xtra

Model: Power-Xtra PX55175117P - 3.2V 100 Ah LiFePO4 Battery - 6C

Stock Code: 900.600.503.467

TECHNICAL INFORMATION

Item	Specifications	Conditions
Nominal Voltage	3.2±0.05V	1C, 25±2°C, 2.5~3.65V
Charging	Method	CC-CV
	Voltage	3.65±0.05V
Typ. Capacity	100 Ah	1C, 25±2°C, 2.5~3.65V
Minimum Capacity	98 Ah	
Internal Impedance	0.17±0.05mΩ	23±3% SoC 新电池, AC.1kHz, 25±2°C
Standard Charge Current	100 A (1.0C)	25±2°C
Standard Discharge Current	100 A (1.0C)	25±2°C
Maximum Continuous Charge Current	200 A (2.0C)	25±2°C
Max. Continuous Discharge Current	600 A (6.0C)	25±2°C
Maximum Pulse Discharge Current	800 A (8.0C)	25±2°C, 50% SoC, 30s
Discharge Cut-off Voltage	2.5V - > 0°C 2.0V - ≤ 0°C	Stop discharging once the cell voltage is outside this range regardless of whether continuous or pulse current is adopted
Operating Temperature	Charge	0~+60°C
	Discharge	-40~+60°C
Storage Temperature	Charge	≤ One month - -20~+45°C - Storage ambient humidity≤90%RH
	Discharge	> One month - 0~+35°C - Storage ambient humidity≤90%RH
Overtemperature protection	-20°C~55°C	If the operating temperature of the cell exceeds the safe temperature range, the cell stops charging and discharging.
Weight	2.230±60g	approximately
Cycles Test	The single cell shall be stabilized between 2 metallic plates and cycled as per standard charge and discharge method. Record the number of cycles and define it as the cell cycle life when the cell capacity is less than 80% of the initial cell capacity.	100A/100A - 1C/1C ≥4500 times 25±2°C, 2.0-3.65V
	The single cell shall be stabilized between 2 metallic plates, then 2C CC to 3.65V, CV to 0.05C, rest 30 min , 4C DC to 2.5V, rest 30 min, the cell repeat the previous steps. Record the number of cycles and define it as the cell cycle life when the cell capacity is less than 80% of the initial cell capacity	200A/400A - 2C/4C ≥1500 times, 25±2°C, 2.5-3.65V

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TECHNICAL DRAWINGS

