

Model: Power-Xtra IFR32700 - 3.2V 6000 Mah LiFePO4-3C

Stock Code: 900.600.503.384

TECHNICAL INFORMATION

Item	Specifications	Conditions
Nominal Voltage	3.2±0.05V	Mean Operation Voltage
Charging	Method	CC-CV
	Voltage	3.6±0.05V
Typ. Capacity	6.000 mAh	1.0C Standard discharge
Charge Voltage	3.65±0.03V	By standard charge method
Discharge Cut-off Voltage	2.0V	
Standard Charging Method	1C	Standard Charging” means that in standard test conditions, charge the cell at a constant current of 1 C until the voltage reaches 3.65 V, then charge it at a constant voltage of 3.65 V until the current decreases less than 0.05 C and placed for 1 h.
Standard Discharging method	1C	“Standard Discharging” means that in standard test conditions, discharge the cell at a constant current of 1 C until the voltage reaches 2.0 V
Max continuous Discharging Current	3C	
Max. Pulse Discharge Current	10C	3s
Cell Internal Impedance	≤8mΩ	AC 1000Hz
Weight	140±5g	
Room temperature discharge capacity	≥100%Nominal Capacity	Cell shall be charged per 3.2, then stored at 25 °C ±2 °C for 28 days. Finally discharged cell at 1 C to ending voltage.
Temperature Performance	-20°C/25°C≥50% 0°C/25°C≥70% 25°C/25°C≥100% 60°C/25°C≥98%	(Cells shall be charged according to 5.1 and discharged at 1C to 2.0 V after full charged. Cells shall be stored for 4 hours at the test temperature prior to discharging and then shall be discharged at the test temperature, The percentage shall be calculated using discharging capacity compared to the minimum capacity
Cycle Life	2000 Times ≥80%Initial capacityl	Cell shall be charged at CC/CV mode(CC: 1 C, CV: 3.65 V, End-of-charge current: 0.05 C); After stored for 10 min, cell shall be discharged at CC mode(1 C, End-of-charge voltage: 2.0 V);After stored for 10 min, tests shall be continued for 2000 times.