Model: Power-Xtra IFR32700 - 3.2V 6200 Mah LiFePO4-3C
Stock Code: 900.600.503.383

TECHNICAL INFORMATIONS

Item	Specifications	Conditions
Nominal Voltage	3.2±0.05V	Mean Operation Voltage
Charging	Method	CC-CV
	Voltage	3.65±0.05V
Typ. Capacity	**6.200 mAh**	1.0C Standard discharge
Charge Voltage	3.65±0.03V	By standard charge method
Discharge Cut-off Voltage	2.0V	
Standard Charging Current	**1C**	0℃~60℃
Standard Discharging Current	**1C**	-20℃~ +60℃
Max. Charge/Discharge Current	**3C**	
Max. Pulse Discharge Current	**5C**	10ms
Cell Internal Impedance	≤8mΩ	AC 1000Hz
Weight	142±2g	
Standard Charge		(The "Standard Charge" means charging with constant current 1C to 3.65V, then charging with constant voltage 3.65V to 0.01C under 25±2℃ , charging time will not more than 3h.) (Use Lithium-ion battery charger, which with anaccuracy ±0.05V.)
Room temperature discharge capacity	≥100% Nominal Capacity	(The capacity means the discharge capacity of the cell, which is measured with discharge current 1C to cut-off voltage at 2.0V at 25-27℃ rest for 5 minutes after the Standard Charge.)
Temperature Performance	-20℃/25℃≥50% 0℃/25℃≥70% 25℃/25℃≥100% 60℃/25℃≥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 capacity	At 25±2℃, 1C charge to 3.65V and discharge to 2.0V with 1 C discharge current, 30 min between charge and discharge, after 2000 cycles the discharge capacity is measured with 1C discharge current and 2.0V cut-off voltage. The cycle life under different environmental temperature, current, voltage and frequency conditions is not within this standard;