

Model: Power-Xtra PX32145-15B - 3.2V 15000 mAh LiFePo4 - 2C **Stock Code:** 900.600.503.413

TECHNICAL INFORMATIONS

Item	Specifications	Conditions
Nominal Voltage	3.2±0.05V	Mean Operation Voltage
Charging	Method	CC-CV
	Voltage	3.6±0.05V
Typ. Capacity	15.000 mAh	0.5C Standard Charge / Discharge
Charge Voltage	3.65±0.03V	By standard charge method
Discharge Cut-off Voltage	2.0V	
Standard Charging Method	0.5C	Standard Charging" means that in standard test conditions, charge the cell at a constant current of 0.5 C until the voltage reaches 3.65 V
Standard Discharging method	0.5C	"Standard Discharging" means that in standard test conditions, discharge the cell at a constant current of 0.5 C until the voltage reaches 2.0 V
Max continuous Discharging Current	2C	30A
Cell Internal Impedance	≤4mΩ	Internal Resistance measured at AC 1KHz after %50 charge
Weight	320±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%SOH 4000 Times ≥70%SOH	The rest time is 10 min after using 0.5C charge, then the cell will be discharged to 2.0V using 1C, The rest time is also 10 min after discharging. The test shall be terminated when discharging capacity \geq 80% or \geq 70% of initial capacity in three consecutive cycles. Temperature of standard charge and discharge 25±2°C