

SPECIFICATIONS OF SINGLE CELL

Model Power-Xtra PX18500-15E - 3.7V 1500 mAh Li-ion Battery - 3C
Stock Code 900.600.503.116

TECHNICAL INFORMATIONS

Item			Specifications	Conditions
Nominal Voltage			3.7V	
Nominal Capacity			1500 mAh	Standard Charge/Discharge
Minimum Capacity			1480 mAh	
Charging voltage			4.2 $\pm$ 0.05 V	
Discharge ending voltage			2.75 $\pm$ 0.05 V	
Standard Charge			750 mA - 0.2C	Ambient temperature of 20 $\pm$ 5°C, Relative Humidity: 65 $\pm$ 20%
Standard Discharge			750 mA - 0.2C	
Maximum Current	Continuous	Discharge	1.500 mA to 1.0V	10°C to 40°C
Maximum Current	Continuous	Discharge	4.500 mA	3.0C
Storage Temperature			-20 °C ~ 35°C	Discharged state
Weight			35gr. / approx.	
Internal Impedance			$\leq$ 80m Ω	The initial internal resistance is measured at 1KHz within 1-4 hours after standard charge.
Overcharge			No leakage nor explosion	At 23 $\pm$ 5°C, charging cells with constant current 2C to voltage 5.0V, Stop test till cells temperature 10°C lower than max temperature.
Charge Retention			$\geq$ 400mA	After standard charge and storage time of 28 days at an ambient temperature of 20°C $\pm$ 2°C, the capacity is measured with a discharging current of 0.2C and a discharge final voltage of 1.0V.
Cycles Test			$\geq$500 Cycle	Constant current 0.5C charge to 4.2V, then constant voltage charge to current declines to 0.01C, rest 10min, constant current 0.5C discharge to 2.75V, rest 10min. Repeat above steps till continuously discharging capacity Higher than 80% of the Initial Capacities of the Cells

TECHNICAL DRAWINGS

Item	Specifications
Diameter	18.3 +0 / -1.0 mm
Height	49.0 +0 / -1.5 mm
High Top	-

IMAGE



Drawings

