

SPECIFICATIONS OF SINGLE CELL

Model Power-Xtra PX18500-14P - 3.7V 1400 mAh Li-ion Battery - 5C
Stock Code 900.600.503.482

TECHNICAL INFORMATIONS

Item			Specifications	Conditions
Nominal Voltage			3.7V	
Nominal Capacity			1500 mAh	Standard Charge/Discharge
Minimum Capacity			1480 mAh	
Charging voltage			4.2V $\pm$ 0.05 V	
Discharge ending voltage			2.75V $\pm$ 0.05 V	
Standard Charge			750 mA - 0.5C	Ambient temperature of 20 $\pm$ 5°C, Relative Humidity: 65 $\pm$ 20%
Standard Discharge			750 mA - 0.5C	
Maximum Current	Continuous	Discharge	1.500 mA - 1.0C	10°C to 40°C
Maximum Current	Continuous	Discharge	7.500 mA	5.0C
Storage Temperature			-20 °C ~ 35°C	Discharged state
Weight			35gr. / approx.	
Internal Impedance			$\leq$ 25m 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	Measure capacity under the cycle conditions described below, until the discharge capacity $\leq$ 80%(0.5C) for three times. Cycle conditions: Standard Charge, Rest for 10min;Discharge at 0.5C to 2.75V cut-off. Testing temperature is 23 $\pm$ 2°C

TECHNICAL DRAWINGS

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

IMAGE



Drawings

