

Model: Power-Xtra 1S1P - 18650 - 3.7V 2000 Mah Battery with BMS

Stock Code: 900.600.503.035

TECHNICAL INFORMATIONs for Cell

Item	Specifications	Conditions
Nominal Voltage	3.7±0.05V	0.2C Discharge
Charging	Method	CC-CV
	Voltage	4.20±0.05V
Typ. Capacity	2000 mAh	0.2C discharge
Standard Charge Current	400 mA (0.2C)	Constant current at 400mA charge to 4.2V, then constant voltage at 4.2V charge till current decline to ≤40mA 400mA
Fast Charge	1.000 mA (0.5C)	Constant current at 1000mA charge to 4.2V, then constant voltage at 4.2V charge till current decline to ≤40mA 1000mA
Standard Discharge Current	400 mA (0.2C)	Constant current 0.2C / end voltage 2.75V
Fast Charge	1.000 mA (0.5C)	Constant current at 1000mA charge to 4.2V, then constant voltage at 4.2V charge till current decline to ≤40mA 1000mA
Max. Continuous Charge	1.000 mA (0.2C)	0.5C
Max. Continuous Discharge	4.000 mA (0.5C)	2.0C
Temperature	Charge	0 to +45°C
	Discharge	-20 to +60°C
	Storage	Less than 1 year: -20~25°C less than 3 months: -20~40°C
Weight	48 gr	approximately
Initial Internal Impedance	≤200mΩ	The initial internal impedance is measured at the frequency of 1kHz within 1 hour after standard charge
Cycles Test	<p>Higher than 70% of the Initial Capacities of the Cells</p> <p>Carry out 300cycle</p> <p>Charging/Discharging in the below condition.</p> <ul style="list-style-type: none"> ◆Charge: Standard Charge ◆Discharge:0.5C to 2.75 V ◆Rest Time between charge /discharge:30min. ◆Temperature:20±5°C 	

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PCM/BMS PARAMETERS

Item	Content	Criterion
Current	Maximum Charge / Discharge	4.0A
Over charge Protection	Overcharge Det. Voltage	4.25±0.05V
Over charge Protection	Overdischarge Det. Voltage	2.50±0.10V
Overcurrent protection	Overcurrent detection current	7-11A

Technical Drawing / Image

