

Model: Power-Xtra 1S1P - 3.7V 1500 mAh - 18650 - Li-on Battery - BMS-Wires

Stock Code: 900.600.503.338

TECHNICAL INFORMATION

Item	Specifications	Conditions
Nominal Voltage	3.7V±0.05V	0.2C Discharge
Charging	Method	CC-CV
	Voltage	4.2V±0.05V
Typ. Capacity	1.500 mAh	0.2C Discharge cut-off Voltage 6.0V after standard charge at 23±2°C
Maximum Charge Voltage	4.2V	4.2V/Cell
Configuration	1S1P	
Standard Charging Current	750 mA (0.5C)	Constant current at 1100mA charge to 4.20V, then constant voltage at 8.40V charge till current decline to ≤22mA
Standard Discharging Current	300 mA (0.2C)	150mA to 6.0V.
Maximum Charging Current	1.500 mA (1.0C)	2200mA to 6.0V
Max. Constant Charge Current	1.5 A (1.0C)	-
Discharge Cut-Off Voltage	2.5V	
Temperature	Charge	0 to +10°C
		10 to +45°C
	Discharge	-20 to +60°C
	Storage	Less than 1 year: -20~25°C
		less than 3 months: -20~30°C
		less than 1 months: -20~45°C
Weight	55 gr	approximately
Cycles Test	<p>During this cycle life test, the ambient temperature should be kept at 23°C ± 2°C. The battery shall be charged at CC/CV=0.5C/4.2V, cut off till current decline to 0.05C, stored for 10mins, then discharged at a constant current of 0.5C to a final voltage of 3.0V, after that, stored 10mins prior to next charge/ discharge cycle. The battery shall be continuously charged and discharged for 300 times</p> <p>Cycle Life≥300 cycles</p>	

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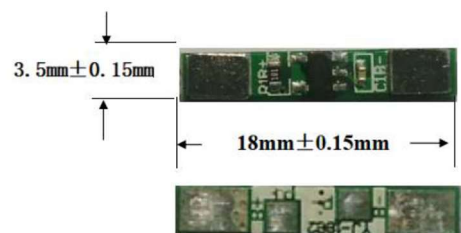
PCM PARAMETER PER BATTERY PACK

Item	Content	Criterion
Input Voltage	Standard charge voltage	4.3V
Current	Maximum Charge / Discharge	2.5A
Over charge	Overcharge Det. Voltage	4.30±0.05V
Protection	Overcharge Rel. Voltage	4.10±0.05V
Over charge	Overdischarge Det. Voltage	2.40±0.050V
Protection	Overdischarge Rel. Voltage	3.00±0.100V
Balancing	Balancing voltage for cell	-
	Balancing current for cell	-

Battery Pack Technical Drawing / Dimension

Item	Description	Dimension
T	Diameter - Thickness	18.5± 1.0 mm
L	Length	65.5± 1 mm
CL	Cable Length	90.0± 1 mm

Technical Drawing



REV002-Revised Date:09.12.2022