

**Model:** Power-Xtra 2S1P - PX18650-22E - 3.7V 2200 Mah Li-ion Battery- Battery Pack

**Stock Code:** 900.600.503.345

## TECHNICAL INFORMATION

Item	Specifications	Conditions
Nominal Voltage	7.4V±0.05V	0.2C Discharge
Charging	Method	CC-CV
	Voltage	8.4V±0.05V
Typ. Capacity	2.200 mAh	0.2C Discharge cut-off Voltage 6.0V after standard charge at 23±2°C
Maximum Charge Voltage	8.4V	4.2V/Cell
Configuration	<b>2S1P</b>	
Standard Charging Current	1.100 mAh (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	440 mAh (0.2C)	440mA to 6.0V.
Maximum Charging Current	2.200 mAh (1.0C)	2200mA to 6.0V
Max. Constant Charge Current	<b>2.2 AH (1.0C)</b>	-
Max. Burst Discharge Current	<b>11 AH (5.0C)</b>	-
Discharge Cut-Off Voltage	<b>6.0V</b>	
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	95 gr	approximately
Cycles Test	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/8.4V, 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 6.0V, after that, stored 10mins prior to next charge/discharge cycle. The battery shall be continuously charged and discharged for 300 timesCycle Life≥300 cycles	

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## PCM PARAMETER PER BATTERY PACK

Item	Content	Criterion
Input Voltage	Standard charge voltage	8.4V
Current	Maximum Charge / Discharge	4.0A
Over charge Protection	Overcharge Det. Voltage	4.25±0.05V
	Overcharge Rel. Voltage	4.05±0.05V
Over charge Protection	Overdischarge Det. Voltage	2.80±0.050V
	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	Thickness	20.2± 1.0 mm
W	Width	38.5± 1.0 mm
L	Length	69.5± 1 mm
CL	Cable Length	50.0± 1 mm

## Technical Drawing

