

ST 7.2V 3AH Data Sheet

SoluThium
Powered by LiCore™ C

NOMINAL VOLTAGE / CAPACITY / ENERGY

7.2 V / 3.2Ah / 24Wh

TYPE & CHEMISTRY

Lithium Battery / Lithium-Ion (NCA)

DIMENSIONS

2.82" x 1.47" x 0.79"



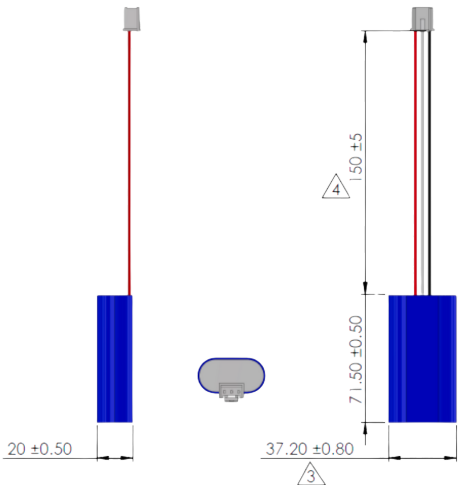
BATTERY SPECIFICATIONS

Model No.	ST 7.2V 3AH		
Chemistry	LiNiCoAlO ₂	Pack Configuration	2S1P
Nominal Voltage	7.2V	Charge/Discharge Connector	JST: XAP-03V-1
Capacity	3.2Ah	Pairing Charger	N/A
Energy	24Wh	Case	Heat Shrink
Weight	49g ± 3g	Communication	N/A
Nominal Dimensions	2.82" x 1.47" x 0.79" (71.5 x 37.2 x 20mm)	Indicators	N/A
		Charging Current	1.625A
Certifications	UN38.3	Cont. Discharge Current	3A (max. 6A, 16ms)

BMS SPECIFICATIONS

Over Charge Voltage Threshold	4.35V ± 0.025V/cell
Over Charge Voltage Release	4.15V ± 0.025V/cell
Over Discharge Voltage Threshold	2.3V ± 0.050V/cell
Over Discharge Voltage Release	3.0V ± 0.050V/cell
Over Discharge Current Protection	6.81A ± 0.9A
Over Discharge Current Release	10ms
Short Circuit Protection	54.5A ± 16A
Balance Function	N/A

MECHANICAL DESIGN

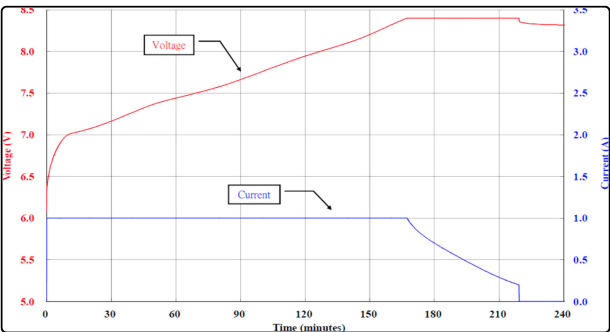


JST接頭: XAP-03V-1
端子: SXA-01T-P0.6

Pin3	Pin2	Pin1
Pin	Definition	Wire Color
1	Positive	Red
2	NTC	White
3	Negative	Black

CHARGING CURVES

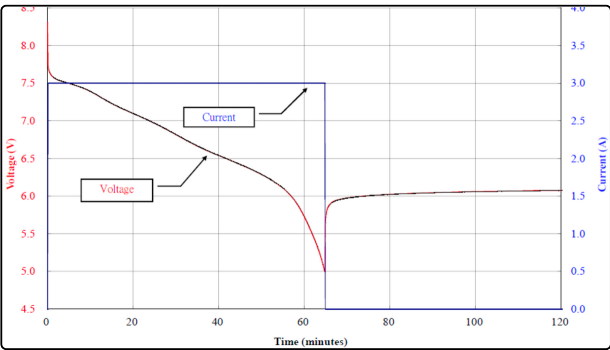
Charging profile: CC/CV mode, 8.4V charge voltage, 1A constant current, charge cutoff at 0.2A



Charge Current: 1A
Charge Time: 3.6 hrs

DISCHARGING CURVES

Constant current discharge at 3A until 5V



Discharge Current: 3A (0.9C)
Discharge Time: 1.1 hr