

ST 25.2V 10AH-AMP Data Sheet

SoluThium

Powered by LiCore™ C

NOMINAL VOLTAGE / CAPACITY / ENERGY

25.2 V / 9.9Ah / 249.48Wh

TYPE & CHEMISTRY

Lithium Battery / Lithium-Ion (NCA)

DIMENSIONS

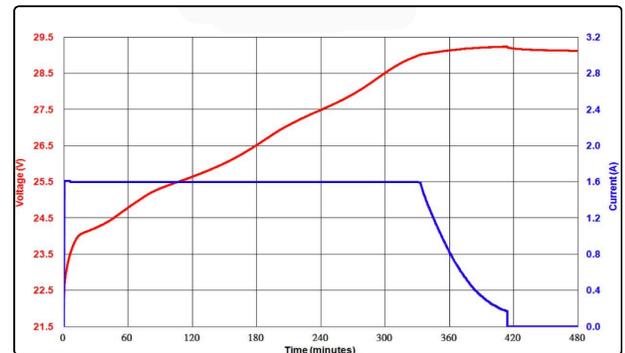
11.9" (L) x 3.98" (W) x 1.97" (H)



BATTERY SPECIFICATIONS

Model No.	ST 25.2V 10AH-AMP			
Chemistry	LiNiCoAlO ₂	Pack Configuration	7S3P	
Nominal Voltage	25.2 V	Charge/Discharge Connector	94M-0072-4PIN /179958-2(AMP)	
Capacity	9.9 Ah	Pairing Charger	Available	
Energy	249.48Wh	Case	Plastic (PC/ABS)	
Weight	1.5kg ± 0.075kg	Communication	N/A	
Nominal Dimensions	L	11.9" (302mm)	Charging Current	1.6A (max. 4A)
	W	3.98" (101mm)		
	H	1.97" (50mm)		
Certifications	UN38.3 IEC 62133-2 IEC 60601-1-2		Indicators	5 LEDs / Push Button

CHARGING CURVES



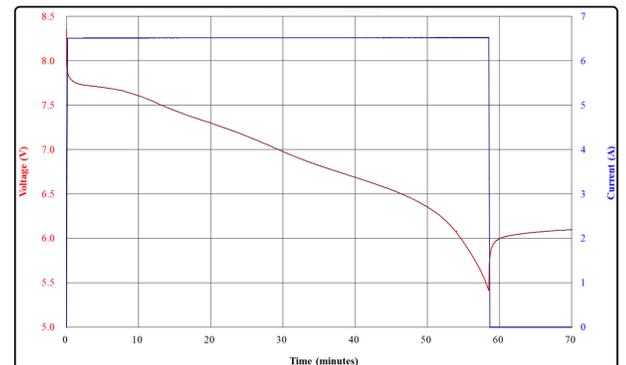
Charge Current: 1.6A
Charge Time: 6.8 hrs

BMS SPECIFICATIONS

Over Charge Voltage Threshold	4.25V ± 0.05V/cell
Over Charge Voltage Release	4.1V ± 0.05V/cell
Over Discharge Voltage Threshold	2.8V ± 0.05V/cell
Over Discharge Voltage Release	3.3V ± 0.05V/cell
Over Discharge Current Threshold	32A ± 1A
Over Discharge Current Delay Time	8s
Short Circuit Threshold	200A ± 5A
Balance Function	Yes

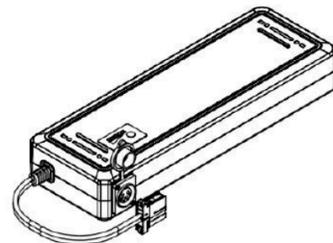
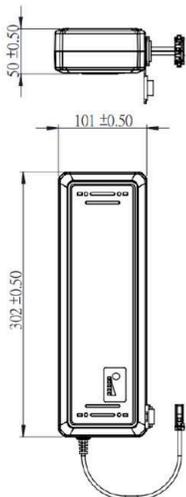
DISCHARGING CURVES

Constant current discharge at 10A until protection cutoff triggered by BMS



Discharge Current: 10A (1C)
Discharge Time: 0.95 hr
Temperature: 27.8°C increases to 50.5°C (22.7°C rise)

MECHANICAL DESIGN



Pin	Definition
1	Output+
2	NTC
3	Output -
4	Data



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