

ST 25.2V 17AH Data Sheet

SoluThium
Powered by LiCore™ C

NOMINAL VOLTAGE / CAPACITY / ENERGY

25.2V / 16.5Ah / 415.8Wh

TYPE & CHEMISTRY

Lithium Battery / Lithium-Ion (NCA)

DIMENSIONS

10.5" (L) x 3.55" (W) x 4.21" (H)



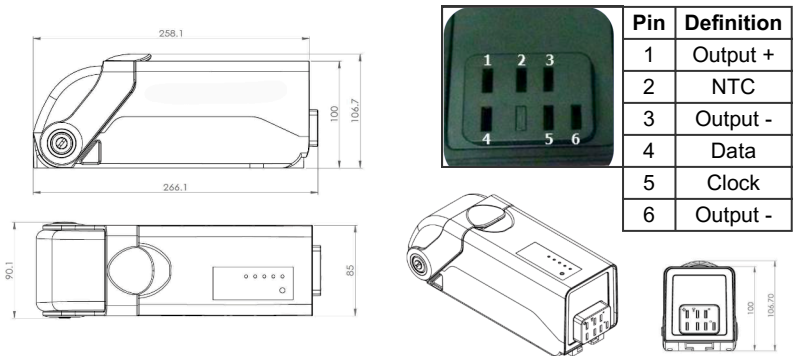
BATTERY SPECIFICATIONS

Model No.	ST 25.2V 17AH		
Chemistry	LiNiCoAlO ₂	Pack Configuration	7S5P
Nominal Voltage	25.2 V	Charge/Discharge Connector	MPF customized pin connector
Capacity	16.5Ah	Pairing Charger	Available
Energy	415.8Wh	Case	Plastic (PC/ABS)
Weight	2.4kg ± 5%	Communication	SMBus
Nominal Dimensions	L	10.5" (266.2mm)	Charging Current 2.5A (max. 7A) Cont. Discharge Current 10A (max:30A,10min)
	W	3.55" (90.1mm)	
	H	4.21" (107mm)	
Certifications	UN38.3 / PSE / IEC62133-2 / IEC61000-6-1 & 6-3		Indicators 5 LEDs / Push Button

BMS SPECIFICATIONS

Over Charge Voltage Threshold	4.23V ± 0.025V/cell
Over Charge Voltage Release	4.15V ± 0.05V/cell
Over Discharge Voltage Threshold	2.6V ± 0.05V/cell
Over Discharge Voltage Release	3.3V ± 0.10V/cell
Over Discharge Current Protection	38A
Over Current Delay Time	16s
Short Circuit Protection	124A
Balance Function	Yes
BMS Gauge	Read with SMBus: Voltage / Current / Temperature / Full Charge Capacity / Cycle Count

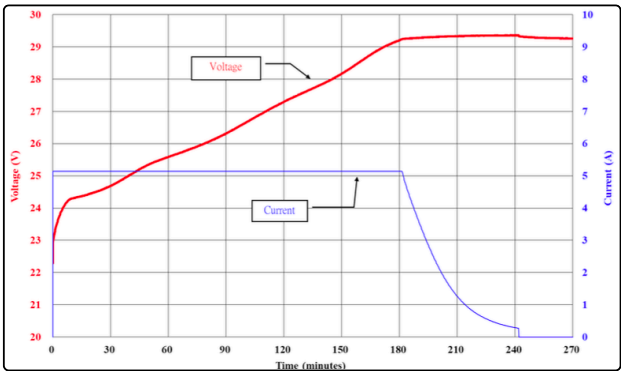
DRAWINGS



Pin	Definition
1	Output +
2	NTC
3	Output -
4	Data
5	Clock
6	Output -

CHARGING CURVES

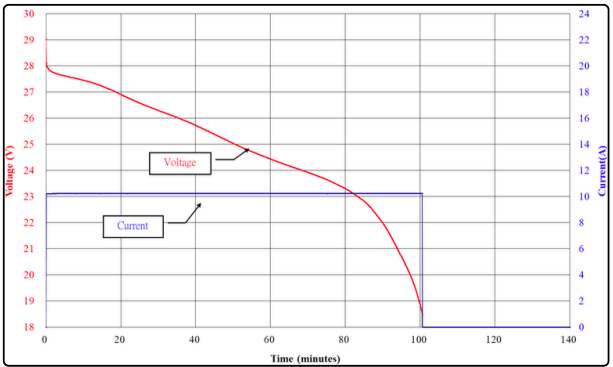
Charging profile: CC/CV mode, 29.4V charge voltage, 5A constant current, charge cutoff at 0.25A



Charge Current: 5A
Charge Time: 4 hrs

DISCHARGING CURVES

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



Discharge Current: 10A (0.6C)
Discharge Time: 1.7 hr