

ST 25.2V 29AH Data Sheet

SoluThium
Powered by LiCore™ C

NOMINAL VOLTAGE / CAPACITY / ENERGY

25.2 V / 28.7Ah / 723Wh

TYPE & CHEMISTRY

Lithium Battery / Lithium-Ion (NCA)

DIMENSIONS

10.6" (L) x 3.7" (W) x 6.3" (H)



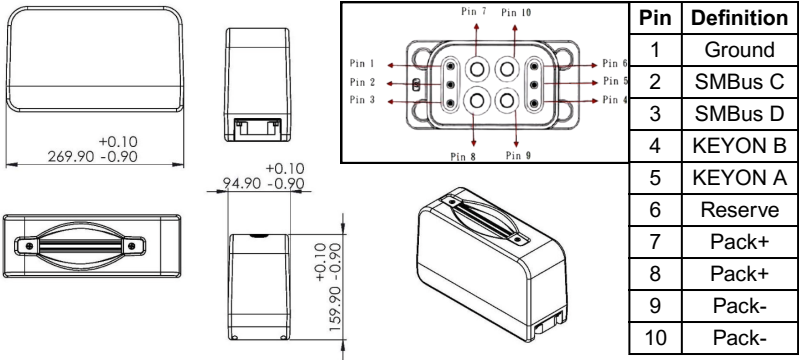
BATTERY SPECIFICATIONS

Model No.	ST 25.2V 29AH			
Chemistry	LiNiCoAlO ₂	Pack Configuration	7S9P	
Nominal Voltage	25.2 V	Charge/Discharge Connector	Unicable UT-4324 (10 pin)	
Capacity	28.7Ah	Pairing Charger	Available	
Energy	723Wh	Case	Plastic (PC/ABS)	
Weight	4.8kg ± 5%	Communication	SMBus	
Nominal Dimensions	L	10.6" (270mm)	Indicators	N/A
	W	3.7" (95mm)	Charging Current	10A (max. 12.6A)
	H	6.3" (160mm)		
Certifications	IEC 62133-2 / IEC 60601-1-2 / UL 62133-2 / UN38.3	Cont. Discharge Current	30A (max: 40A)	

BMS SPECIFICATIONS

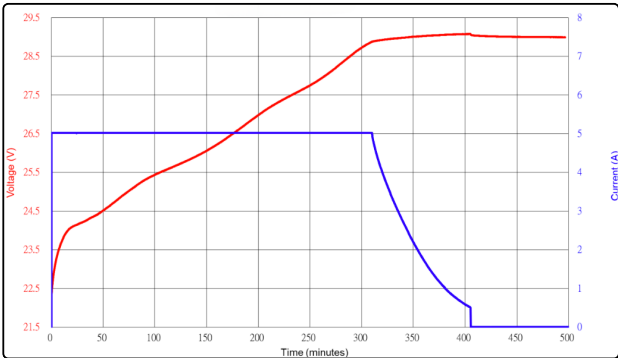
Over Charge Voltage Threshold	4.25V ± 0.025V/cell
Over Charge Voltage Release	4.15V ± 0.025V/cell
Over Discharge Voltage Threshold	2.8V ± 0.025V/cell
Over Discharge Voltage Release	3.2V ± 0.025V/cell
Over Discharge Current Protection	60A ± 2A
Over Current Delay Time	8s
Short Circuit Protection	200A ± 2A
Balance Function	Yes
BMS Gauge	Read with SMBus: Voltage / Current / Temperature / Full Charge Capacity / Cycle Count

DRAWINGS



CHARGING CURVES

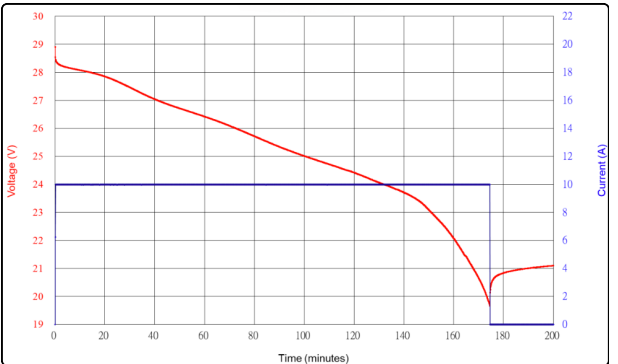
Charging profile: CC/CV mode, 29.1V charge voltage, 5A constant current, charge cutoff at 0.5A



Charge Current: 5A
Charge Time: 6.8 hrs

DISCHARGING CURVES

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



Discharge Current: 10A (0.35C)
Discharge Time: 2.9 hrs