

ST 25.6V 24AH-PN Data Sheet

SoluThium
Powered by LiCore™ C

NOMINAL VOLTAGE / CAPACITY / ENERGY

25.6 V / 24Ah / 614.4Wh

TYPE & CHEMISTRY

Lithium Battery / Lithium Iron Phosphate

DIMENSIONS

7.6" (L) x 5.2" (W) x 6.7" (H)



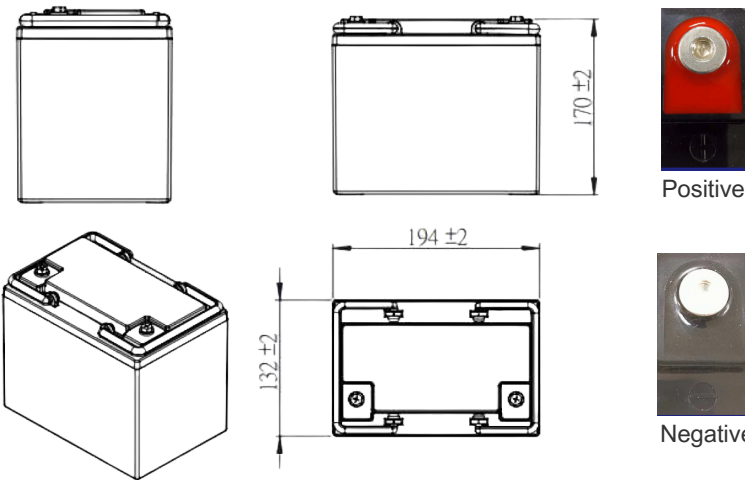
BATTERY SPECIFICATIONS

Model No.	ST 25.6V 24AH-PN		
Chemistry	LiFePO ₄ (LFP)	Pack Configuration	8S6P
Nominal Voltage	25.6 V	Charge/Discharge Connector	(+) and (-) Terminal
Capacity	24Ah	Pairing Charger	Available
Energy	614.4Wh	Indicators	N/A
Weight	5.7kg ± 0.3kg	Communication	N/A
Nominal Dimensions	W 5.2" (132mm)	Charging Current	5A (max: 12A)
	L 7.6" (194mm)	Cont. Discharge Current	30A (max: 50A)
	H 6.7" (170mm)		
Certification	UN38.3	Case	Plastic (PC/ABS)

BMS SPECIFICATIONS

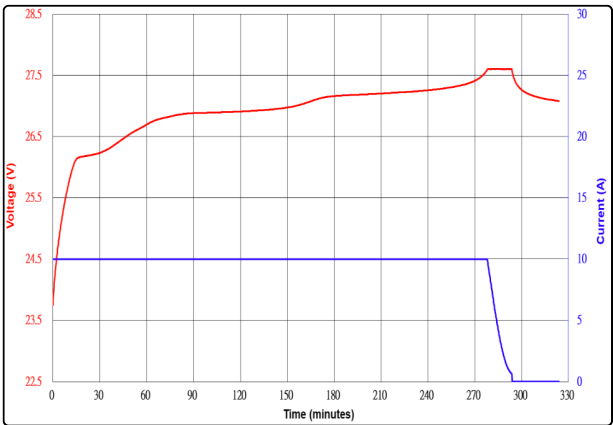
Over Charge Voltage Threshold	3.8V ± 0.025V/cell
Over Charge Voltage Release	3.4V ± 0.025V/cell
Over Discharge Voltage Threshold	2.3V ± 0.025V/cell
Over Discharge Voltage Release	3.3V ± 0.025V/cell
Over Discharge Current Protection	52A ± 1A
Over Discharge Current Release	30s
Short Circuit Protection	200A ± 1A
Balance Function	Yes

DRAWINGS



CHARGING CURVES

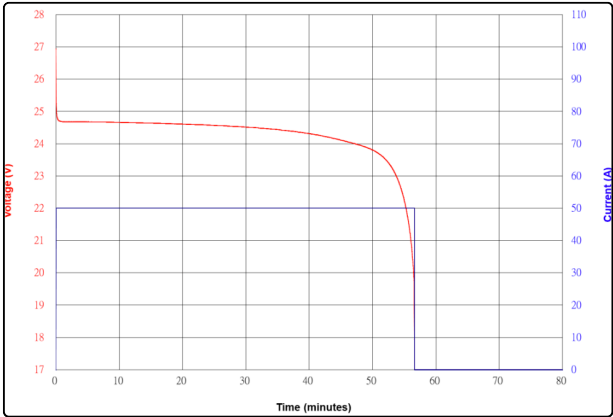
Charging profile: CC/CV mode, 27.6V charge voltage, 10A constant current, charge cutoff at 0.6A



Charge Current: 10A
Charge Time: 4.8 hrs

DISCHARGING CURVES

Constant current discharge at 50A until protection cutoff triggered by BMS



Discharge Current: 50A (2C)
Discharge Time: 0.9 hr
Temperature: 29°C increases to 60.4°C (31.4°C rise)