ST 25.6V 6AH Data Sheet



NOMINAL VOLTAGE / CAPACITY / ENERGY

25.6 V / 6Ah / 153.6Wh

TYPE & CHEMISTRY

Lithium Battery / Lithium Iron Phosphate

DIMENSIONS

4.78" (L) x 6.15" (W) x 3.35" (H)

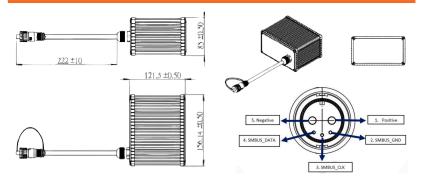
BATTERY SPECIFICATIONS

Model No.	ST	25.6V 6AH			
Chemistry	LiFePO ₄ (LFP)		Pack Configuration	8S1P	
Nominal Voltage	25.6 V		Charge/Discharge Connector	UT-D264F3-2+3P	
Capacity	6 Ah		Pairing Charger	Available	
Energy	153.6Wh		Case	Aluminum	
Weight	250g ± 50g		Communication	SMBus	
Nominal Dimensions	L	4.78" (121.5mm)	Charging Current	6A	
	W	6.15" (156.1mm)	Cont. Discharge Current	15A	
	Н	3.35" (85mm)			
Certifications	Pending: UN38.3 IEC 62133		Indicators	N/A	

BMS SPECIFICATIONS

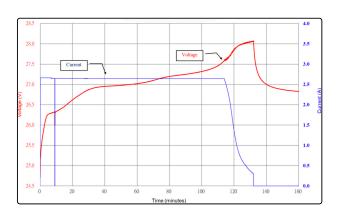
Over Charge Voltage Threshold	3.9V ± 0.025V/cell	
Over Charge Voltage Release	3.4V ± 0.025V/cell	
Over Discharge Voltage Threshold	2.4V ± 0.025V/cell	
Over Discharge Voltage Release	3.0V ± 0.025V/cell	
Over Discharge Current Protection	18A ± 2A	
Over Discharge Current Release	30s	
Short Circuit Protection	200A ± 1%	
Balance Function	N/A	
BMS Gauge	Read with SMBus: Voltage / Current / Temperature / Full Charge Capacity / Cycle Count	

DRAWINGS



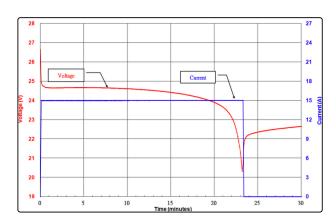
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CHARGING CURVES



Charge Current: 2.5A Charge Time: 2.2 hrs

DISCHARGING CURVES



Discharge Current: 6A (2.5C)
Discharge Time: 0.4 hr
Temperature: 30.1°C increases to 54.9°C (24.8°C rise)

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