

# 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)



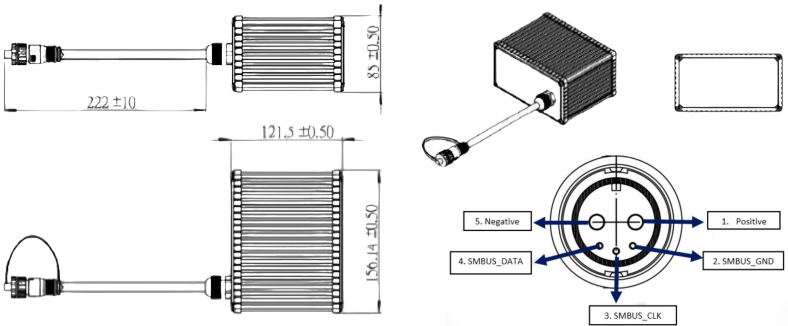
## BATTERY SPECIFICATIONS

|                    |                                 |                            |                |
|--------------------|---------------------------------|----------------------------|----------------|
| Model No.          | ST 25.6V 6AH                    |                            |                |
| Chemistry          | LiFePO <sub>4</sub> (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            |
|                    | H 3.35" (85mm)                  |                            |                |
| Certifications     | Pending:<br>UN38.3<br>IEC 62133 | Indicators                 | N/A            |

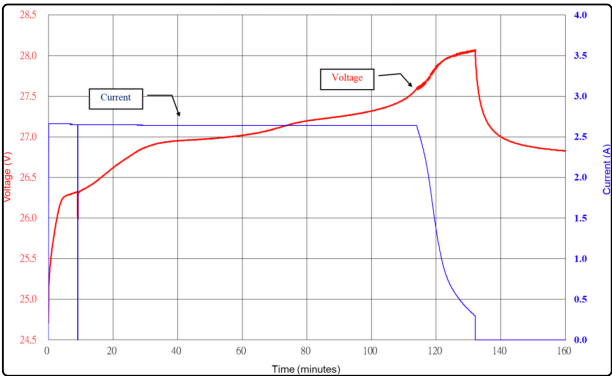
## BMS SPECIFICATIONS

|                                   |                                                                                             |
|-----------------------------------|---------------------------------------------------------------------------------------------|
| 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:<br>Voltage / Current / Temperature /<br>Full Charge Capacity / Cycle Count |

## DRAWINGS

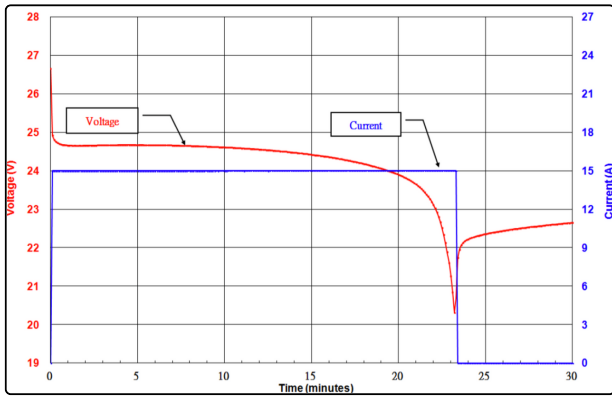


## CHARGING CURVES



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)