



# TRLiF-1230P (12.8V30Ah)

## Rechargeable Li-ion Battery-Industrial Battery-LFP Series



### Product Features

-  **Cylindrical LFePO<sub>4</sub> cell-26650/32700 (3.2V 3.0~6.3Ah), higher reliability**
-  **Longer cycle life 2000 cycles@100%DOD.**
-  **Fully replaceable with current batteries (Lead-acid, Ni-Cd)**
-  **Lithium iron phosphate technology, safe and reliable.**
-  **Maintenance free 50% lighter than lead acid batteries**
-  **Optimum adaptation to variety applications with series & parallel expansion support**

### Product Application

-   
**UPS**
-   
**Signal**
-   
**EPS**
-   
**Solar Power**
-   
**Base Station**
-   
**Electric Vehicle**
-   
**Other power supply**

### Nominal Characteristics

Nominal Voltage	12.8V
Nominal Capacity (@0.2C)	30.0Ah (4S5P)
Nominal Energy	384Wh
Internal Resistance	55mΩ
Self Discharge Rate	≤3.5% per month
Cycle Life (@25°C,0.2C,100%DOD)	2000 Cycles
Parallel Connected Function	No more than 2 groups in parallel
Series Connected Function	No more than 4 groups in series

### Charging Specifications

Recommended Charging Voltage	14.0~14.6V
Max. Charging Current	15A

### Discharging Specifications

Discharging Cut-off Voltage	10.0V
Max. Discharging Continuous Current	30A
Max. Discharging Pulse Current	60A, <3S

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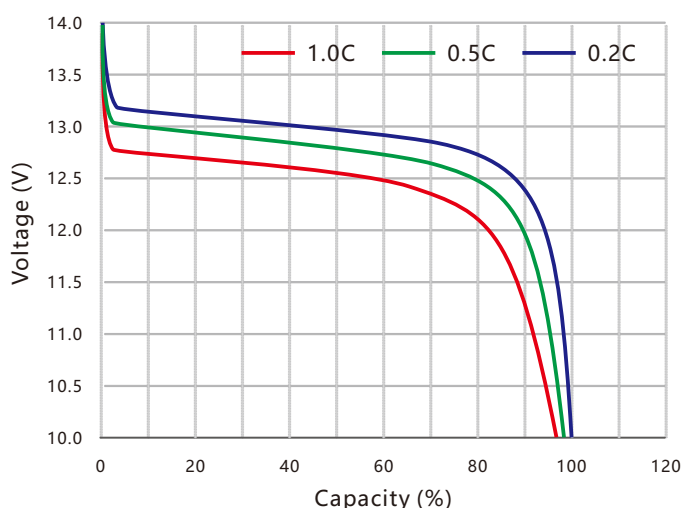
### Mechanical Characteristics

Length	165mm
Width	175mm
Height	125mm
Total Height	125mm
Weight	Approx. 3.7Kg
Terminal	M5

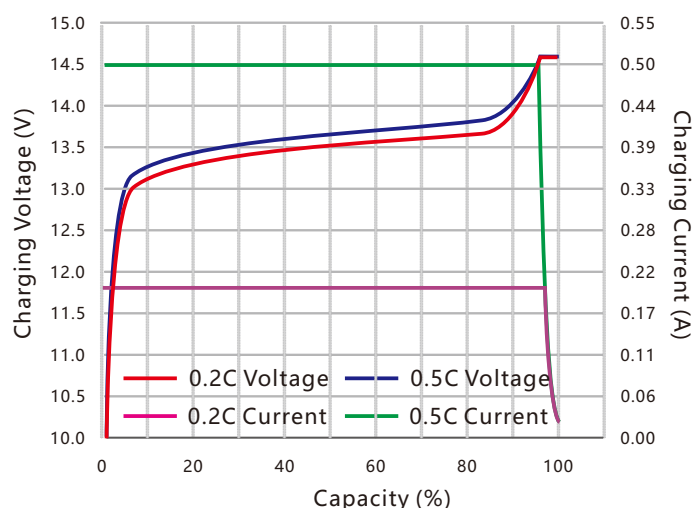
### Operating Conditions

Charge Temperature	0°C~45°C (32°F to 113°F)
Discharge Temperature	-20°C to 60°C (-4°F to 140°F)
Storage Temperature	0°C to 45°C (32°F to 113°F)
Safety Standard	UL 1642 at cell level
Water Dust Resistance	IP55

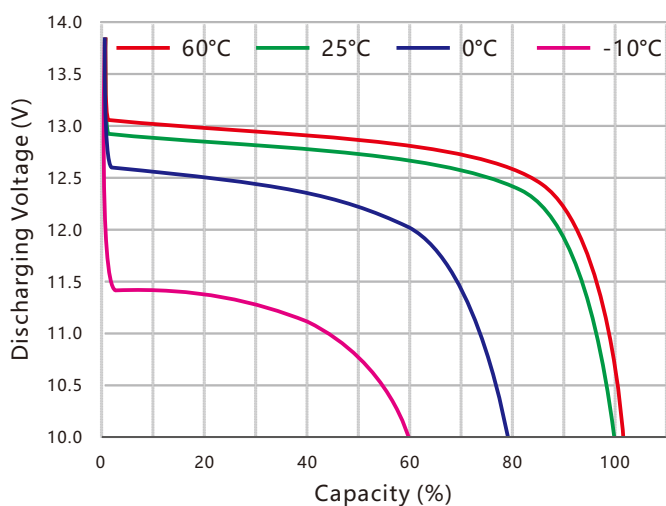
### Discharging curve at different rate @25°C



### Charging Characteristic @25°C



### Capacity under different Temp.



### Cycle Life under different DOD@0.2C,25°C

