TRLiF-12100P (12V100Ah)

Rechargeable Li-ion Battery-Industrial Battery-LFP Series

Product Features

- **Cylindrical $LFePO_4$ 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)	100Ah (4S17P)
Nominal Energy	1280Wh
Internal Resisitance	45mΩ
Self Discharge Rate	≤3.5% per month
Cycle Life (@25℃,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 Specificaitions

Recommended Charging Voltage	14.0~14.6V
Max. Charging Current	50A

Discharging Specificaitions

Discharging Cut-off Voltage	10.0V
Max. Discharging Continuous Current	100A
Max. Discharging Pulse Current	200A, <3S

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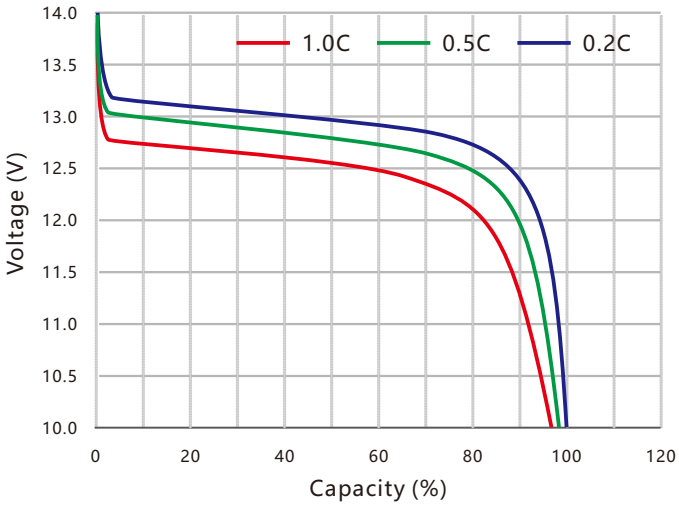
Mechanical Characteristics

Length	328mm
Width	172mm
Height	215mm
Total Height	220mm
Weight	Approx. 13.1Kg
Teminal	M8

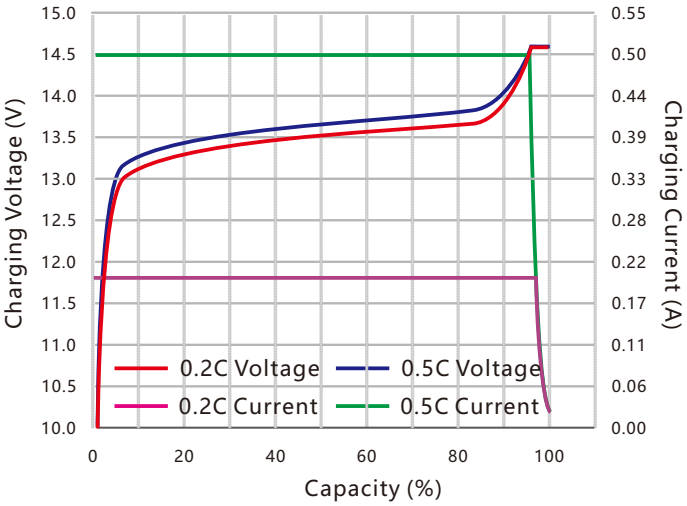
Operating Conditions

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

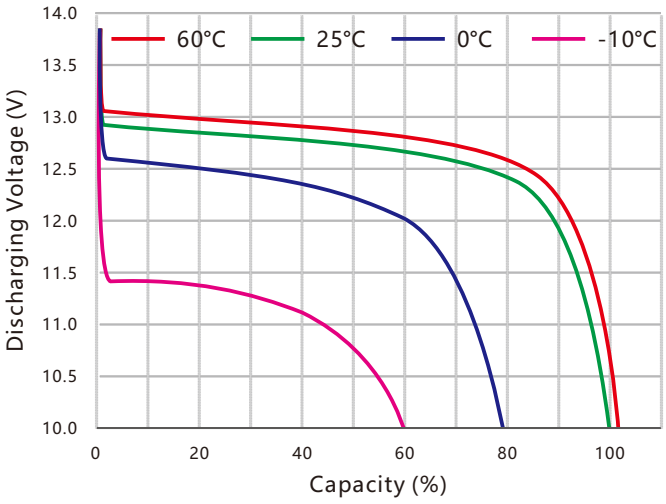
Discharging curve at different rate @25°C



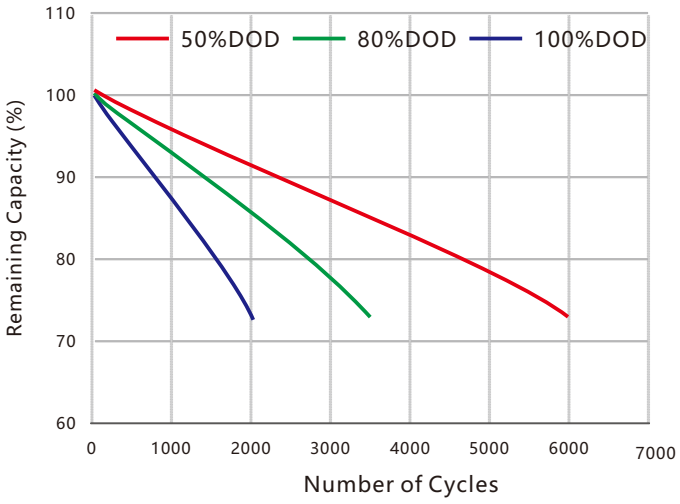
Charging Characteristic @25°C



Capacity under different Temp.



Cycle Life under different DOD@0.2C,25℃



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