

TRLiF-1206C (12.8V6.0Ah)








Rechargeable Li-ion Battery-Industrial Battery-LFP Series



Product Features

-  Cylindrical LFePO₄ 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)	6.0Ah (4S1P)
Nominal Energy	76.8Wh
Internal Resistance	70mΩ
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	3A

Discharging Specifications

Discharging Cut-off Voltage	10.0V
Max. Discharging Continuous Current	6A
Max. Discharging Pulse Current	20A, <3S

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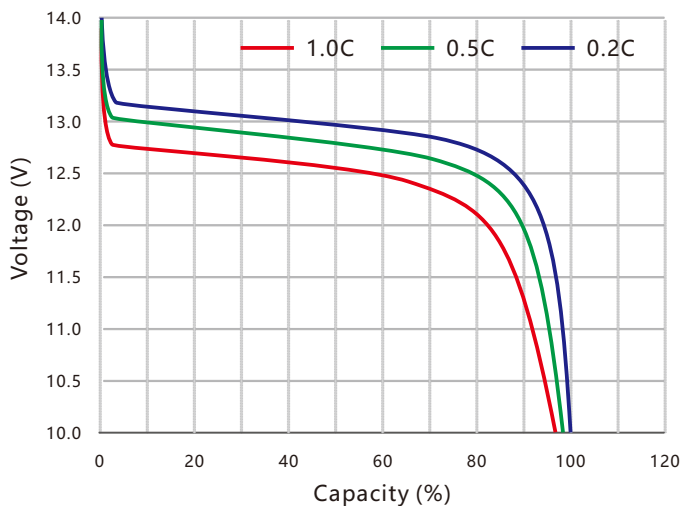
Mechanical Characteristics

Length	90mm
Width	70mm
Height	101mm
Total Height	107mm
Weight	Approx. 0.75Kg
Terminal	F2

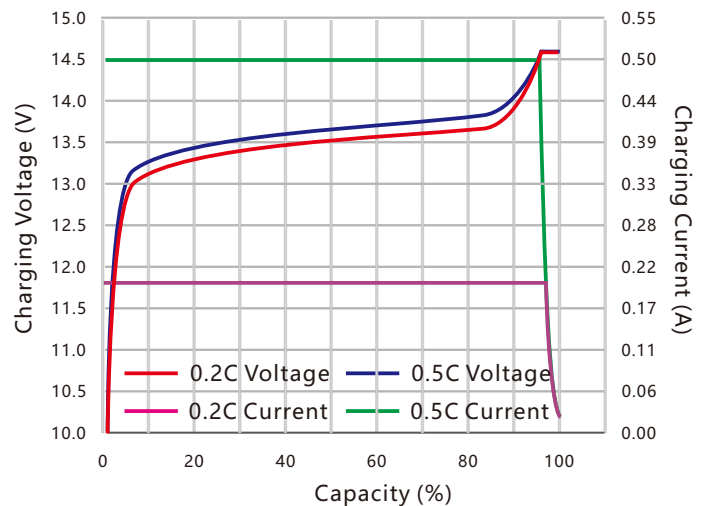
Operating Conditions

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

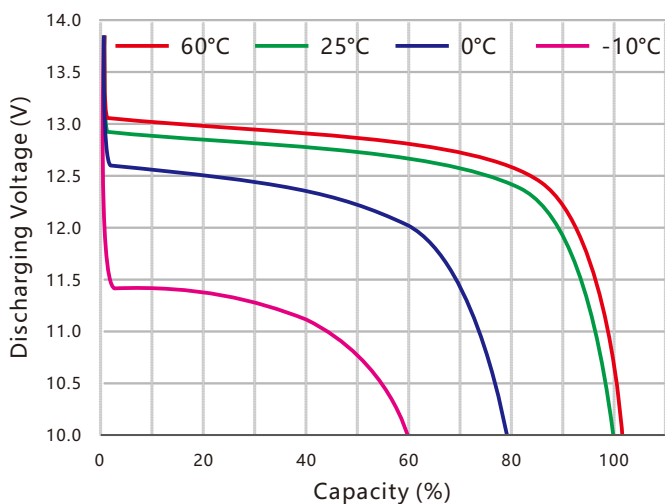
Discharging curve at different rate @25°C



Charging Characteristic @25°C



Capacity under different Temp.



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

