# TRLiF-4812C (48V12Ah)

Rechargeable Li-ion Battery-Industrial Battery-LFP Series





### **Product Features**



Cylindrical LFePO₄ cell-32700 (3.2V 6~6.3Ah), higher reliability

Fully replaceable with current batteries

Longer cycle life 3500 cycles@80%DOD.



К Л К У Built-in BMS management system with interface RS485/RS232



Maintenance free with standard 19" design easy installation

### **Product Application**

(Lead-acid, Ni-Cd)





**Data Center** 



**Industrial Application** 

Wind Power



**Optimum adaptation to variety applications** 

with series & parallel expansion support



**Electric Power** 

Nominal Characteristics	
Nominal Voltage	51.2V
Nominal Capacity (@0.2C)	12Ah (16S2P)
Nominal Energy	614.4Wh
Internal Resisitance	150mΩ
Self Discharge Rate	≤3.5% per month
Cycle Life (@25°C,0.2C,80%DOD)	3500 Cycles
Parallel Connected Function	Max. 16 groups in parallel, recommended ≤ 12 groups
Series Connected Function	Not supported

# Charging Specificaitions

Recommended Charging Voltage	56V~57.6V
Max. Charging Current	5A

## **Discharging Specificaitions**

Discharging Cut-off Voltage	44.8V
Max. Discharging Continuous Current	10A
Max. Discharging Peak Current	12A,<3S

# TRLiF-4812C (48V12Ah)

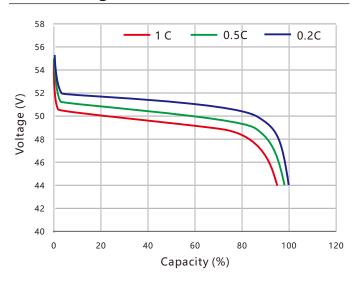
Rechargeable Li-ion Battery-Industrial Battery-LFP Series

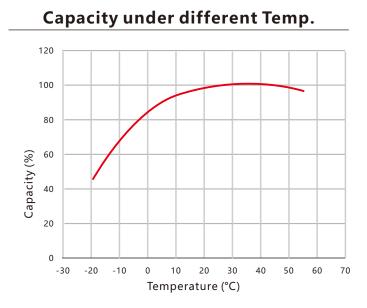


Mechanical Characteristics	
Width	483mm (19" Rack mounted type)
Depth	373mm
Height	44mm (1U)
Weight	9.2Kg
Communication Interface	RS485/RS232

#### **Operating Conditions**

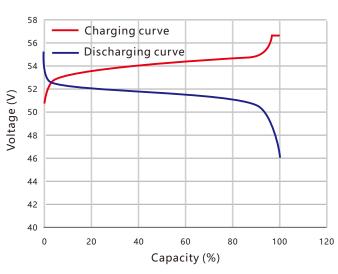
Charge Temperature0°C~45°C (32°F~113°F)Discharge Temperature-20°C~60°C (-4°F~140°F)Storage Temperature0°C~45°C (32°F~113°F)Safety StandardUL 1642 at cell levelWater Dust ResistanceIP30





**Rating Performance @25°C** 





#### Cycle Life under different Temp.

