




TRLiF(M) Series

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 (Lead-acid, Ni-Cd)**
-  **Maintenance free with standard 19" design easy installation**
-  **Longer cycle life 3500 cycles@80%DOD.**
-  **Built-in BMS management system with interface RS485/RS232**
-  **Optimum adaptation to variety applications with series & parallel expansion support**

Product Application



Product Specification

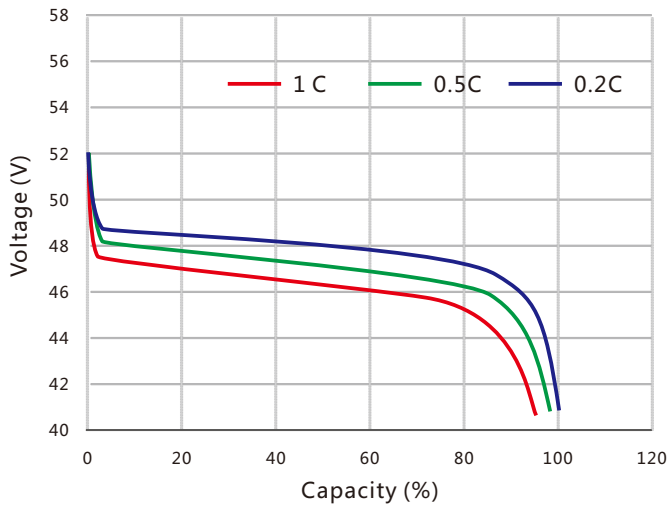
Model	Nominal Voltage	Nominal Capacity	Nominal Energy	Width	Depth	Height	Weight	Internal Resistance	Self Discharge	Cycle Life
TRLiF-4812M	48V	12Ah	576Wh	483mm	373mm	44mm (1U)	9Kg	140mΩ	≤3.5%	3500 Cycles
TRLiF-4812C	51.2V	12Ah	614.4Wh	483mm	373mm	44mm (1U)	9.2Kg	150mΩ	≤3.5%	3500 Cycles
TRLiF-4824M	48V	24Ah	1152Wh	483mm	365mm	88mm (2U)	16.2Kg	110mΩ	≤3.5%	3500 Cycles
TRLiF-4824C	51.2V	24Ah	1228.8Wh	483mm	365mm	88mm (2U)	16.8Kg	120mΩ	≤3.5%	3500 Cycles
TRLiF-4830M	48V	30Ah	1440Wh	483mm	365mm	88mm (2U)	18.6Kg	100mΩ	≤3.5%	3500 Cycles
TRLiF-4830C	51.2V	30Ah	1536Wh	483mm	365mm	88mm (2U)	19.1Kg	110mΩ	≤3.5%	3500 Cycles
TRLiF-4850M	48V	50Ah	2400Wh	483mm	400mm	133mm (3U)	30.3Kg	80mΩ	≤3.5%	3500 Cycles
TRLiF-4850C	51.2V	50Ah	2560Wh	483mm	400mm	133mm (3U)	31.5Kg	85mΩ	≤3.5%	3500 Cycles
TRLiF-4872M	48V	72Ah	3456Wh	483mm	385mm	176mm (4U)	38Kg	60mΩ	≤3.5%	3500 Cycles
TRLiF-4872C	51.2V	72Ah	3686.4Wh	483mm	385mm	176mm (4U)	39.6Kg	65mΩ	≤3.5%	3500 Cycles
TRLiF-48100M	48V	100Ah	4800Wh	483mm	385mm	222mm (5U)	49.5Kg	55mΩ	≤3.5%	3500 Cycles
TRLiF-48100C	51.2V	100Ah	5120Wh	483mm	385mm	222mm (5U)	51.8Kg	60mΩ	≤3.5%	3500 Cycles

TRLiF(M) Series

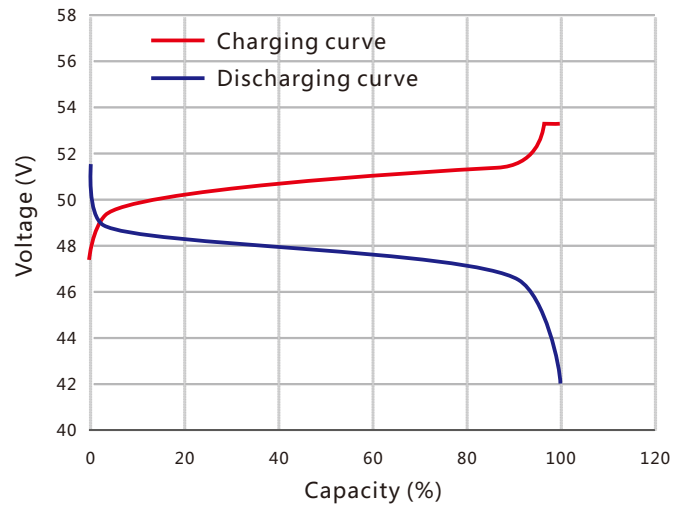
Rechargeable Li-ion Battery-Industrial Battery-LFP Series



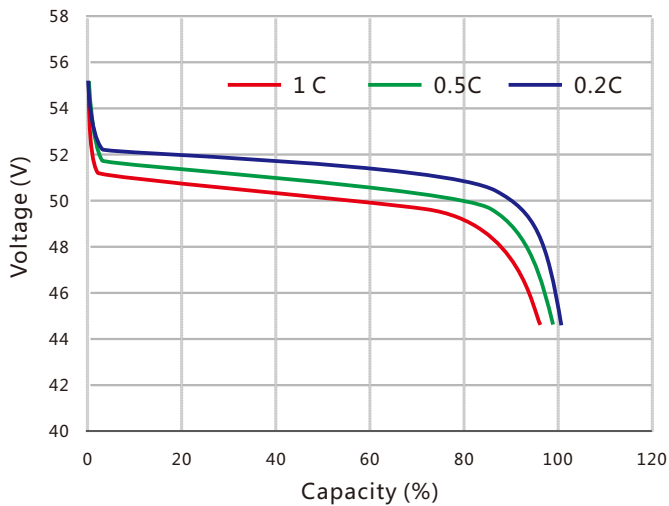
Rating Performance @25°C (15S)



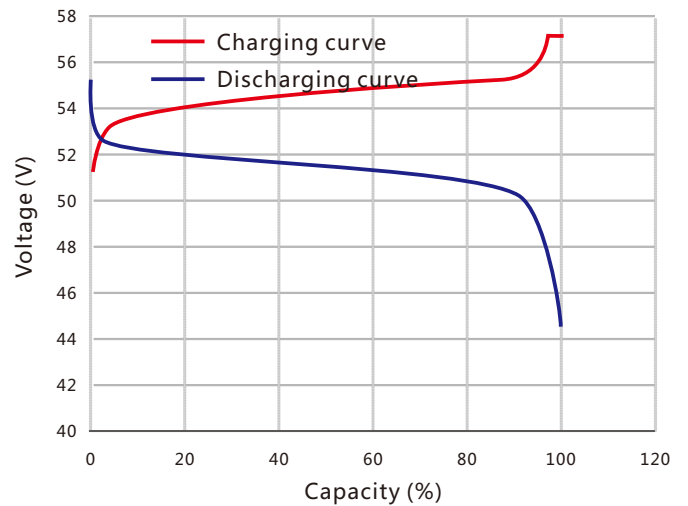
Discharge and Charge @25°C, 0.2C (15S)



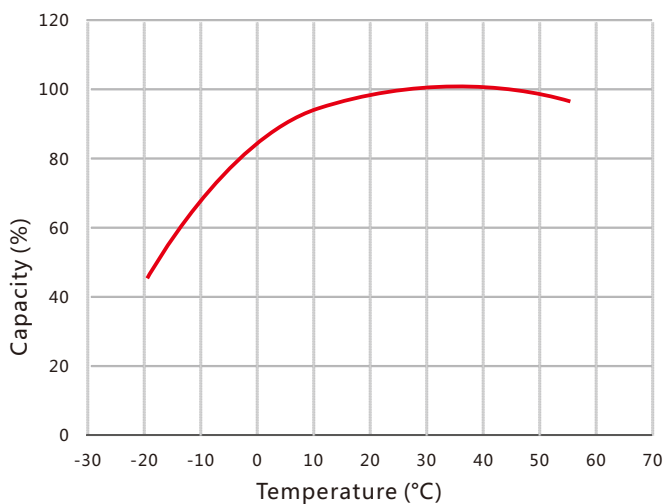
Rating Performance @25°C(16S)



Discharge and Charge @25°C, 0.2C (16S)



Capacity under different Temp.



Cycle Life under different Temp.

