

TTLiF-48100C 48V100Ah

Rechargeable Li-ion
Battery-Motive Battery-LFP
Series

Product Features



Prismatic LiFePO4 cell, higher reliability



Long design life up to 10+years@25 °C



Fully replaceable with current batteries
(Lead-acid, Ni-Cd)



Built-in BMS management system with
interface CAN/232/SNMP/GPS+Anti
theft(optional)



Maintenance free with standard 19" design
easy installation



Optimum adaptation to variety
applications with series & parallel
expansion support

Product Application



Communication



Data Center



Industrial Application



Wind Power



Solar Power



Electric Power

Nominal Characteristics

Nominal Voltage	48V
Nominal Capacity (@0.2C)	100Ah
Nominal Energy	4800Wh
Internal Resisitance	≤55mΩ
Self Discharge Rate	≤3.5% per month
Cycle Life (@25°C,0.2C,80%DOD)	up to 10+ years
Parallel Connected Function	Max. 15 groups in parallel, recommended ≤ 12 groups
Series Connected Function	not supported

Charging Specificaitons

Recommended Charging Voltage	54.7Vdc
Max. Charging Current	100A

Discharging Specificaitons

Discharging Cut-off Voltage	40V
Max. Discharging Continuous Current	75A
Max. Discharging Pulse Current	120A, ≤2 0MS

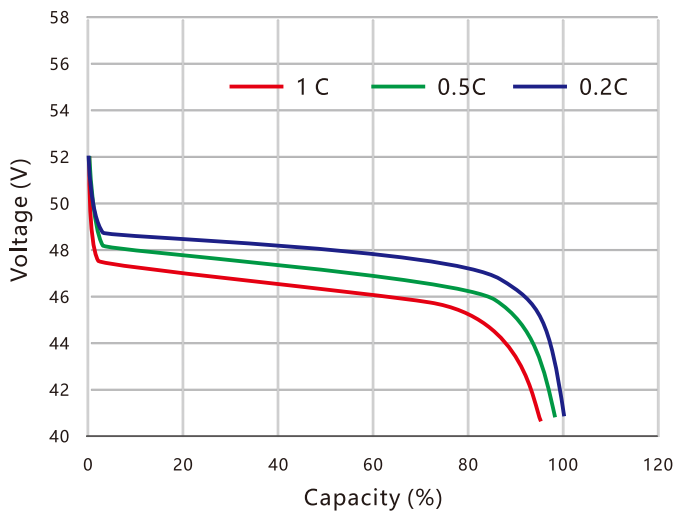
Mechanical Characteristics

Length	440mm
Depth	460mm
Height	133mm
Total Height	133mm
Weight	Approx. 43Kg
Communication Interface	CAN/232/SNMP/485

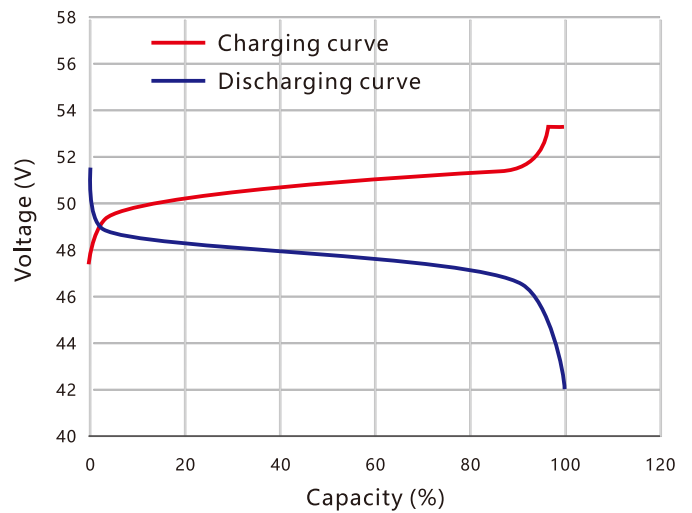
Operating Conditions

Charge Temperature	0°C~60°C (32°F to 140°F)
Discharge Temperature	-20°C to 60°C (-4°F to 140°F)
Storage Temperature	0°C to 60°C (32°F to 140°F)
Water Dust Resistance	IP20

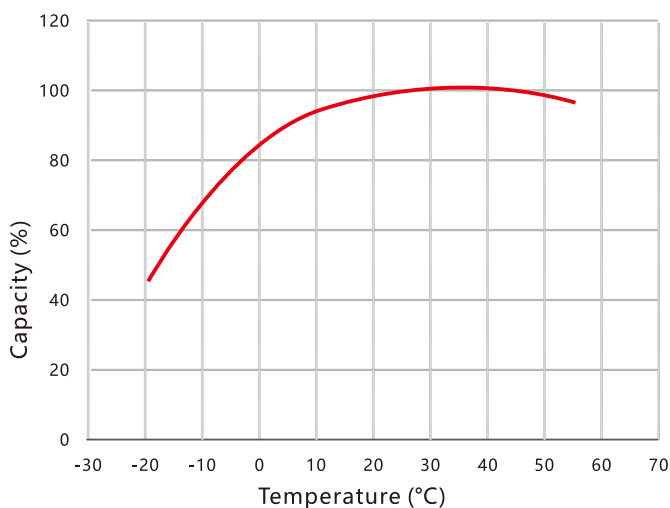
Rating Performance @25°C



Discharge and Charge @25°C, 0.2C



Capacity under different Temp.



Cycle Life under different Temp.

