

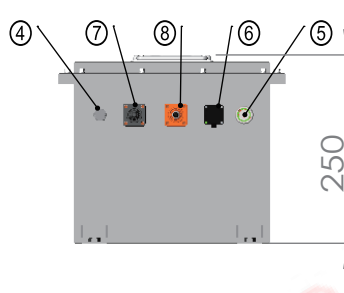
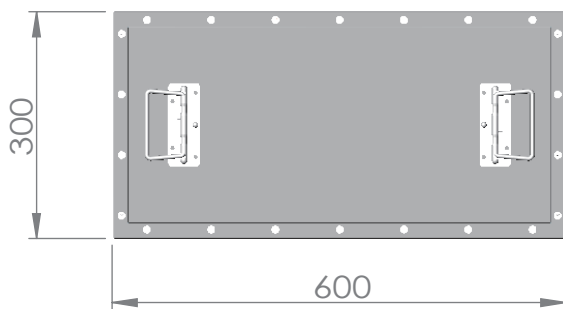
TMLiF-48100S1

Rechargeable li-ion battery for golf cart

Lightweight, maintenance-free and powerful



Product size and component



Unit:mm



1. Battery case
2. Battery cap
3. Handles
4. Vent Valve
5. Switch
6. RS485 Port
7. Negative (M8)
8. Positive(M8)

- Accessories (Option)
1. Charger (58.4V20A)
 2. Meter
 3. Power cable(+/-)

Note:The actual demand of accessories can be customized.

Nominal Characteristics

Nominal Voltage	51.2V
Nominal Capacity (@0.2C)	100Ah
Nominal Energy	5120Wh
Cell Chemistry	LiFePO4
Cell type	Prismatic
Cell Combination method	16S1P
Internal Resistance	≤ 50 mΩ
Self Discharge Rate	The first month after charging ≤3.5%, other time ≤1% per month
Cycle Life(@25°C,0.5C charge and 1C discharge,80%DOD)	≥ 3500 Cycles

Charging Specifications

Recommended Charging Voltage	58.4V
Max.Charging Current	100A

Discharging Specifications

Discharging Cut-off Voltage	40.0V
Max.Discharging Continuous Current	100A
Max.Discharging Pulse Current	250A, $\leq 20S$

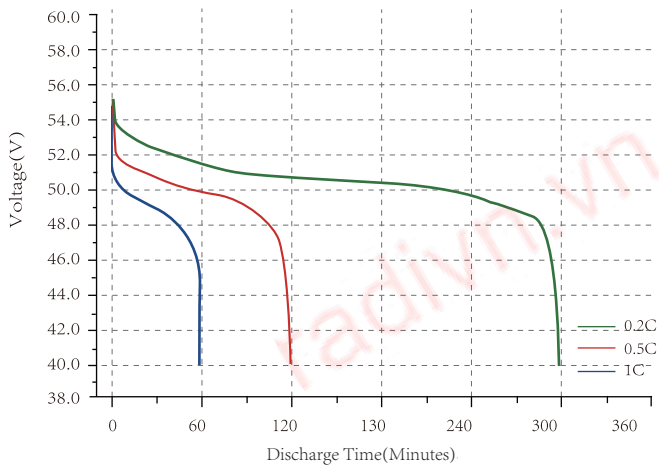
Mechanical Characteristics

Weight	Approx.47Kg
Communication Interface	RS485

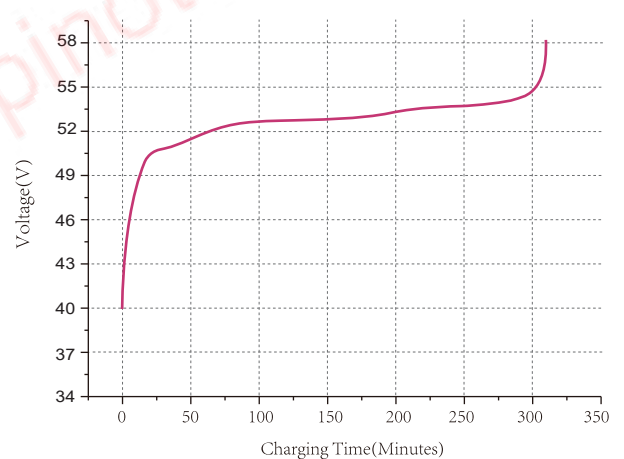
Operating Conditions

Charge Temperature	0°C to 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	UN38.3
Water Dust Resistance	IP67

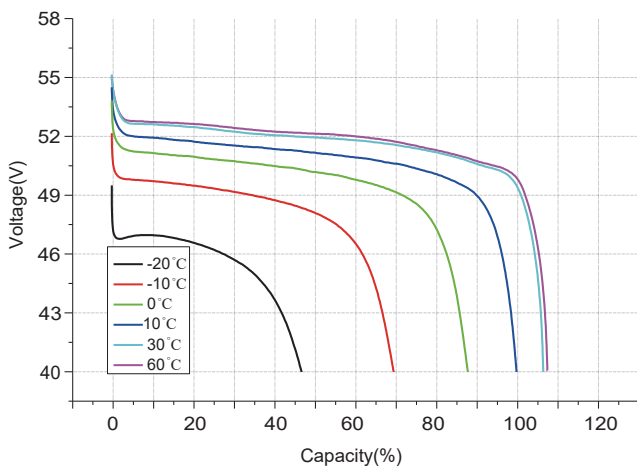
Discharging curve at different rate @25°C



Charging Characteristic @25°C



Capacity under different Temp.



Cycle Life under different DOD@0.5CC/1CD,25°C

