

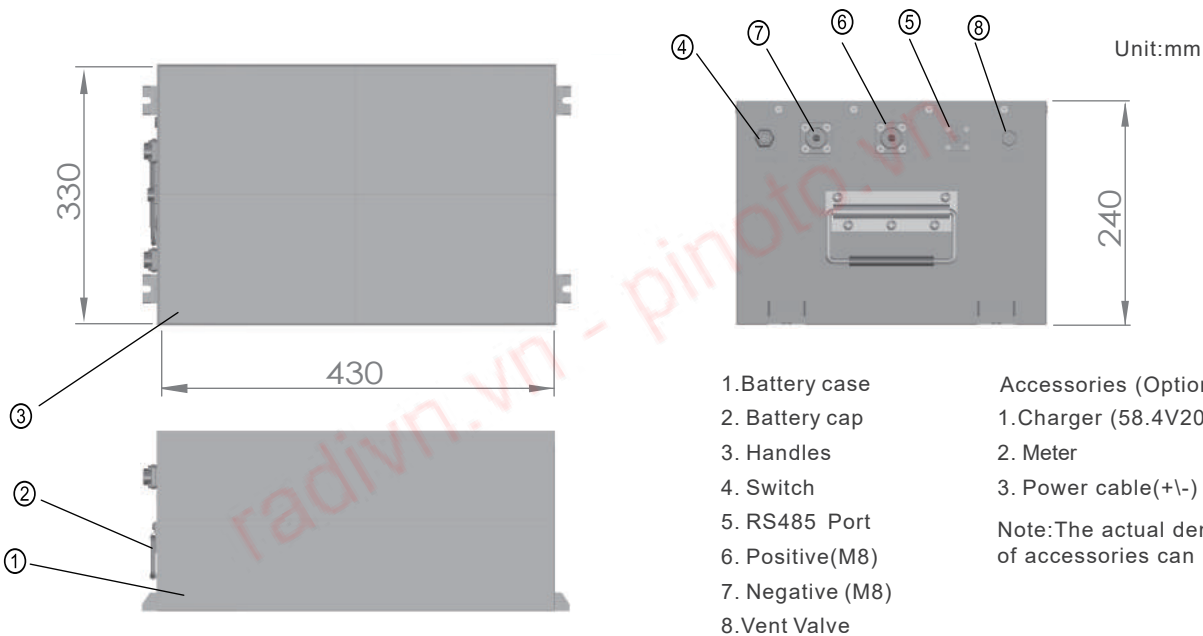
TMLiF-48100S2

Rechargeable li-ion battery for golf cart

Lightweight, maintenance-free and powerful



Product size and component



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, ≤20S

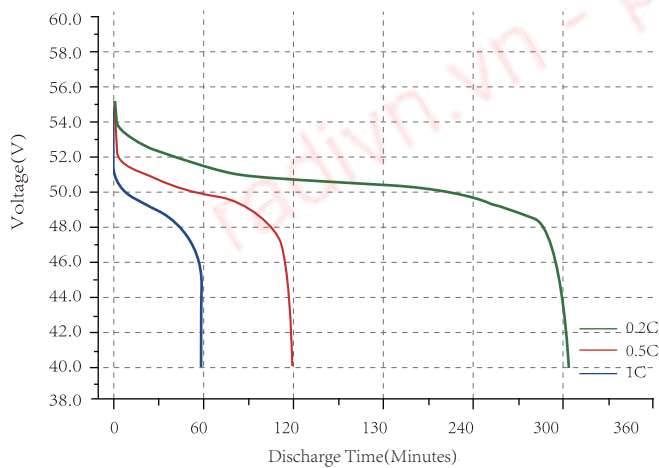
Mechanical Characteristics

Weight	Approx.44Kg
Communication Interface	RS485

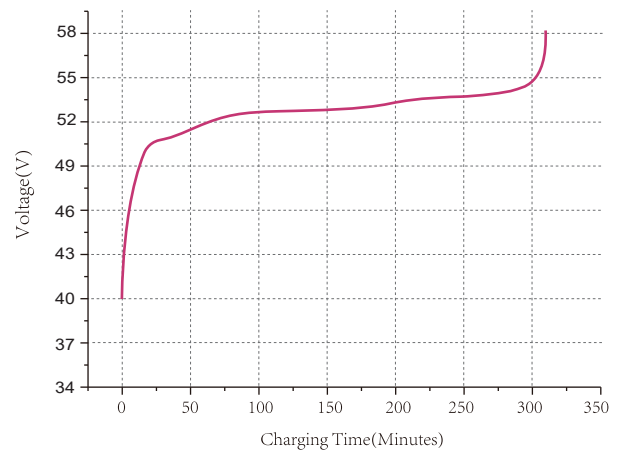
Operating Conditions

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	IP65

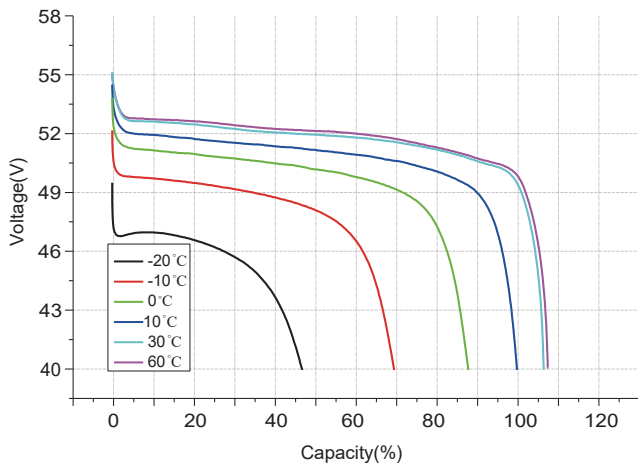
Discharging curve at different rate @25°C



Charging Characteristic @25°C



Capacity under different Temp.



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

