

TMLiF-6078P (60V78Ah)

Rechargeable Li-ion Battery-Motive Battery-LFP Series



Product Features



Cylindrical LFePO₄ cell-32650
(3.2V 5.0~6.7Ah), higher reliability



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



Maintenance free
50% lighter than lead acid batteries



Longer cycle life
2000 cycles@100%DOD.



Lithium iron phosphate technology, safe and reliable.



Product Application



Electric Tricycle



Electric Motorcycle



Water Scooter



Snowmobile



Low-speed EV



Electric Forklift

Nominal Characteristics

Nominal Voltage	60V
Nominal Capacity (@0.2C)	78Ah (19S15P)
Nominal Energy	4680Wh
Self Discharge Rate	≤3.5% per month
Cycle Life (@25°C,0.2C,100%DOD)	2000 Cycles
Parallel Connected Function	Not supported
Series Connected Function	Not supported

Charging Specifications

Recommended Charging Voltage	69.35V
Max. Charging Current	20A

Discharging Specifications

Discharging Cut-off Voltage	47.5V
Max. Discharging Continuous Current	80A
Max. Discharging Peak Current	200A, <3S

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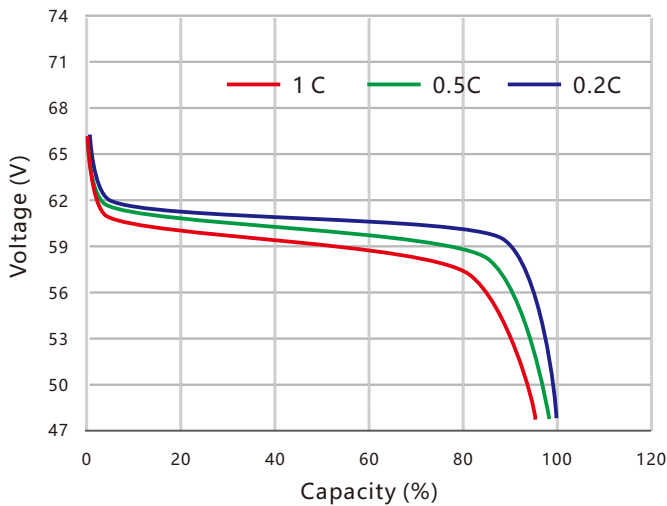
Mechanical Characteristics

Length	624mm
Width	333mm
Height	200mm
Weight	57Kg

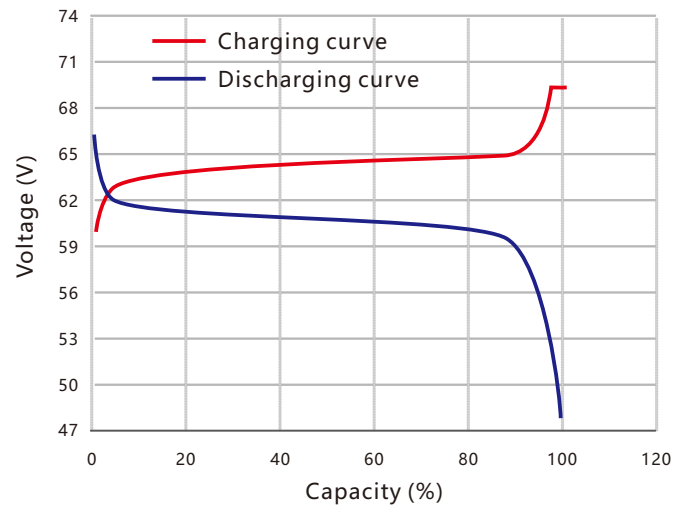
Operating Conditions

Charge Temperature	0°C~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	UL 1642 at cell level
Water Dust Resistance	IP65

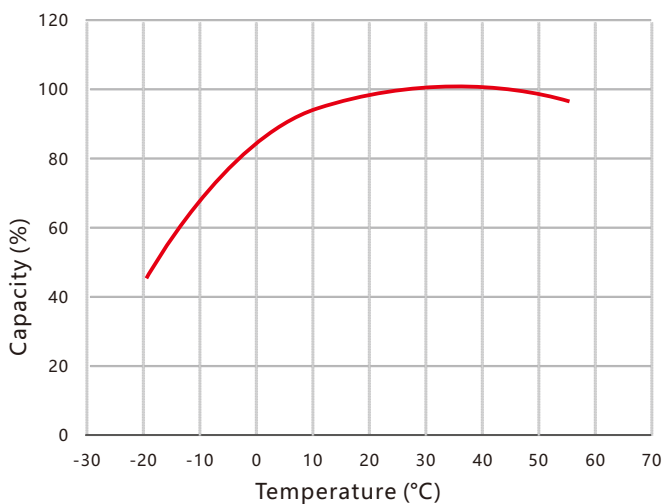
Rating performance @25°C



Discharge and charge @25°C, 0.2C



Capacity under different Temp.



Cycle life under different Temp.

