LEOCH BATTERY

Lithium Iron Phosphate (LiFePO4) Battery

LFeLi-2480M (25.6V80Ah)

Features Of $LiFePO_4$ Battery

Longer Cycle Life: Offers up to 20 times longer cycle life and five times longer float/calendar life than lead acid battery, helping to minimize replacement cost and reduce total cost of ownership.

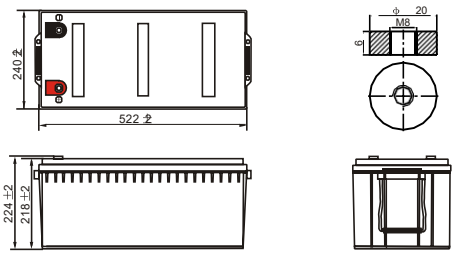
Lighter Weight: About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.

Higher Power: Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.

Wider Temperature Range: -20 C~60 C.

Superior Safety: Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.

Physical Dimension-mm



Application

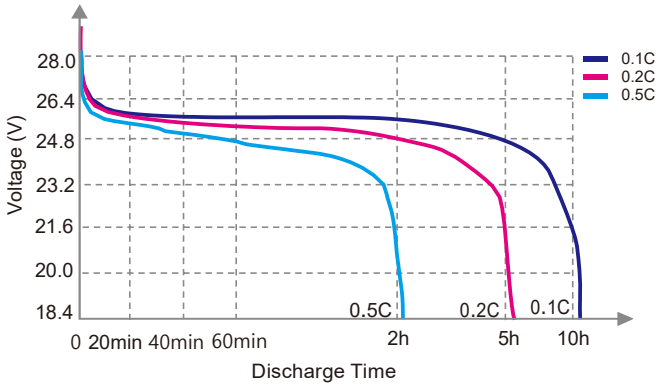
- Electric vehicles, electric mobility
- Solar/wind energy storage system
- Telecommunication
- Medical equipment
- Lighting

Specification

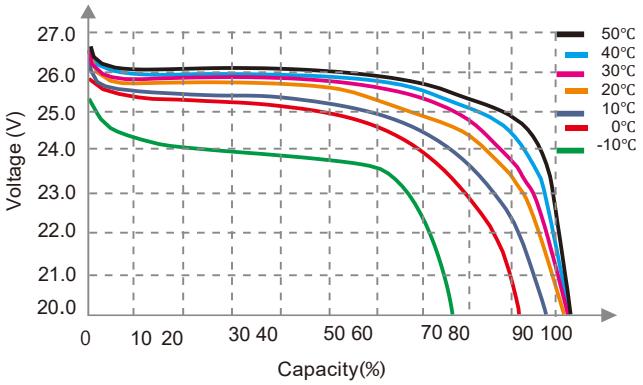
Electrical Characteristics	Nominal Voltage	25.6V
	Nominal Capacity	80 Ah
	Energy	2048Wh
	Internal Resistance(AC)	≤20mΩ
	Cycle Life	>3000 cycles @0.5C 80%DOD
	Months Self Discharge	<3%
	Efficiency of Charge	100% @0.5C
	Efficiency of Discharge	96~99% @1C
Standard Charge	Charge Voltage	29.2±0.2V
	Charge Mode	0.2C to 29.2V, then 29.2V,charge current to 0.02C (CC/CV)
	Charge Current	40A
	Max. Charge Current	80A
	Charge Cut-off Voltage	29.2V±0.2V
Standard Discharge	Rated Discharge Current	40A
	Max. Discharge Current	80A
	Discharge Cut-off Voltage	20V
Environmental	Charge Temperature	0 ℃ to 55 ℃ (32F to 131F) @60±25% Relative Humidity
	Discharge Temperature	-20 ℃ to 60 ℃ (-4F to 140F) @60±25% Relative Humidity
	Storage Temperature	0 ℃ to 45 ℃ (32F to 113F) @60±25% Relative Humidity
	IP Class	IP65
Mechanical	Plastic Case	ABS
	Dimensions (in./mm.)	483*170*238.5mm (19.02"*7.05"*9.39")
	Weight (lbs./kg.)	22.7kg (50.04lbs)
	Terminal	M8

LEOCH BATTERY

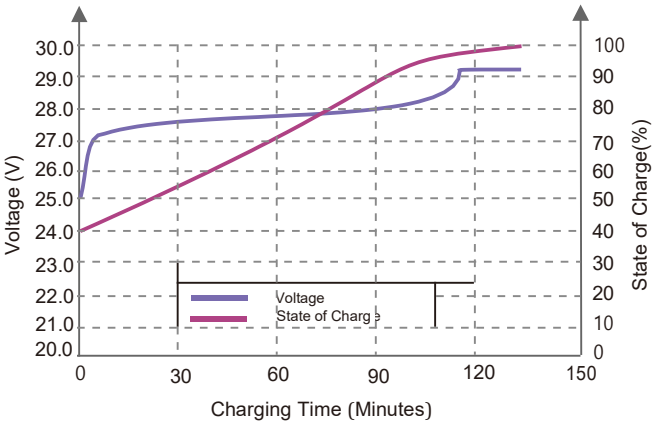
Different Rate Discharge Curve(25℃)



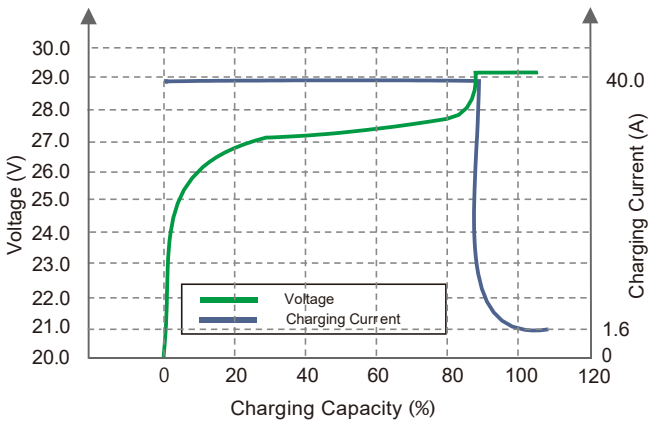
Different Temperature Discharge Curve(0.5C)



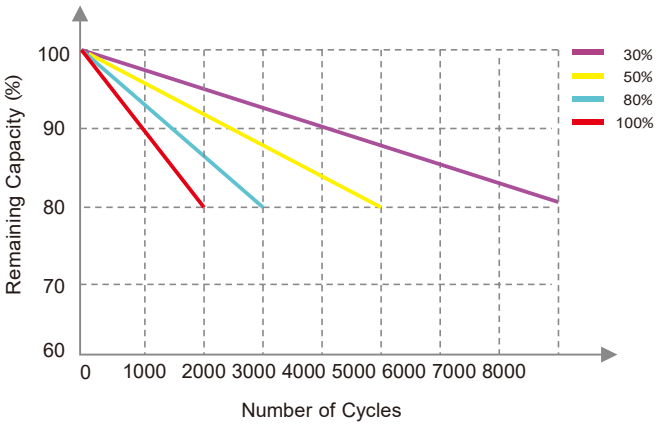
State of Charge Curve(0.5C, 25℃)



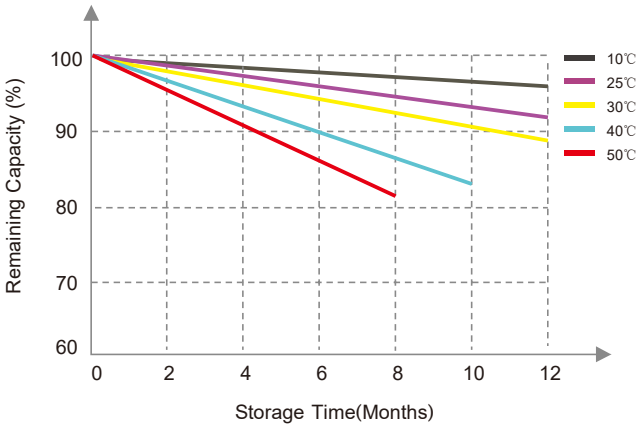
Charging Characteristics(0.5C, 25℃)



Different DOD Discharge Cycle Life Curve（0.5C）



Different Temperature Self Discharge Curve



Publication No :LB-LFeLi-2480M-PD-EN-V2.0-202208

Http//:www.leoch.com
Libattery@leoch.com
Leoch International Technology Limited
Add:5th Floor, Xinbaohui Bldg., Nanhai Blvd, Nanshan, Shenzhen, China. 518054