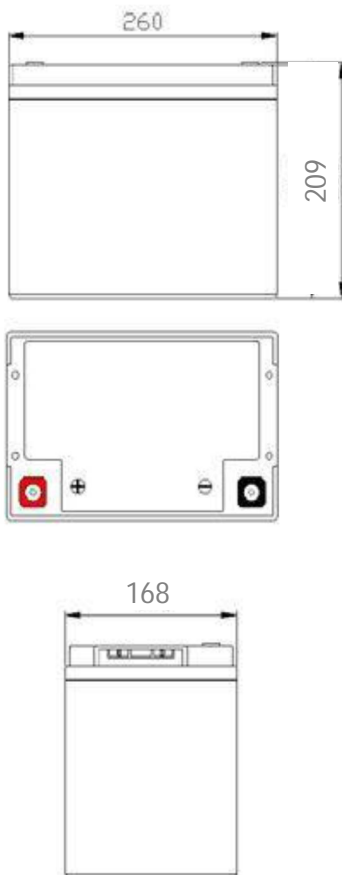


DATASHEET
LFP12V78AH
12V 78AH

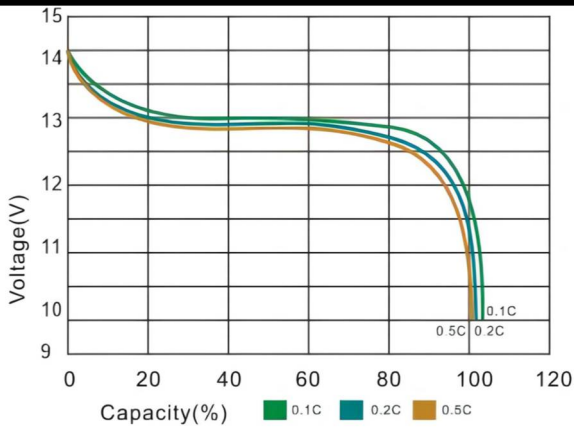
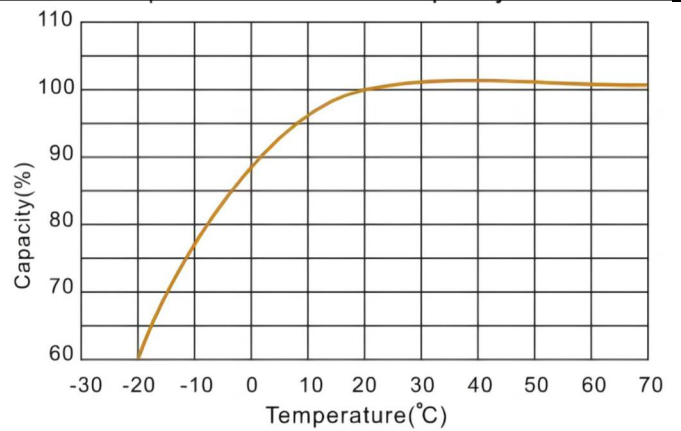
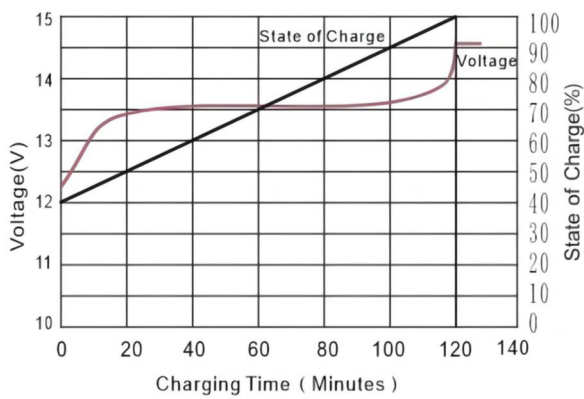
LITHIUM IRON PHOSPHATE (LiFePO4) BATTERY

- ◆ Superior safety, thousands of cycles, 100%DOD, under normal conditions
- ◆ Built-in automatic protection for over-charge, over discharge, over current and over temperature
- ◆ Maintenance free
- ◆ Internal cell balancing
- ◆ Lighter weight: About 40% ~50% of the weight of a lead acid battery.
- ◆ Can be charged using most standard lead-acid charges (set)
- ◆ Wider temperature range:-20°C ~ 60°C


SPECIFICATIONS

Nominal Voltage	12,8V
Nominal Capacity	78Ah
Capacity @ 15.6A	300 min
Energy	998.4Wh
Resistance	≤ 30 mΩ @ 50% SOC
Self Discharge	< 3% / Month
Cells	32700 Cell 3.2V6Ah
Charge Current	16A
Max.Charge Current	39A
Charge Cut-Off Voltage	< 14.6
Reconnect Voltage	> 14.4 V
Balancing Voltage	< 13.6V
Maximum Batteries in Series	4
Continuous Discharge Current	39A
Max. cont. Discharge Current	78A
Peak Discharge Cut-off Current	230A(3-15ms)
Discharge Cut-Off Voltage	> 10 V
Reconnect Voltage	> 11.2 V
Short Circuit Protection	200 ~ 600 μs
Discharge Temperature	-20°C to 60°C(-4°F to 140°F)
Charge Temperature	0°C to 45°C(32°F to 113°F)
Storage Temperature	5°C to 35°C(23°F to 95°F)
High Temperature Cut-Off	149 °F (65 °C)
Reconnect Temperature	118 °F (48 °C)
Dimension(L*W*H*TH)	260*168*209mm
Weight	Approx. 9.5Kg
Terminal	M8
Enclosure Protection	IP65
Terminal Torque	9 – 11 N-m (80 – 100 in-lbs)
Case Material	ABS

Certifications	CE
	UN38.3
	UL1642 & IEC62133
Shipping Classification	UN 3480, CLASS 9

DISCHARGE PERFORMANCE @25°C

TEMPERATURE EFFECTS ON CAPACITY @0.2C

STATE OF CHARGE CURVE (0.5C, 20°C)

CYCLE LIFE WITH DOD @ 25°C, 0.2C
