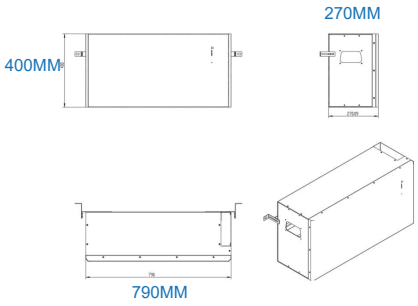
▶ Product Appearance



▶ Product Size



Net Weight: 112±5kg

▶ Packaging Size



Gross Weight: 128±5kg

▶ Features

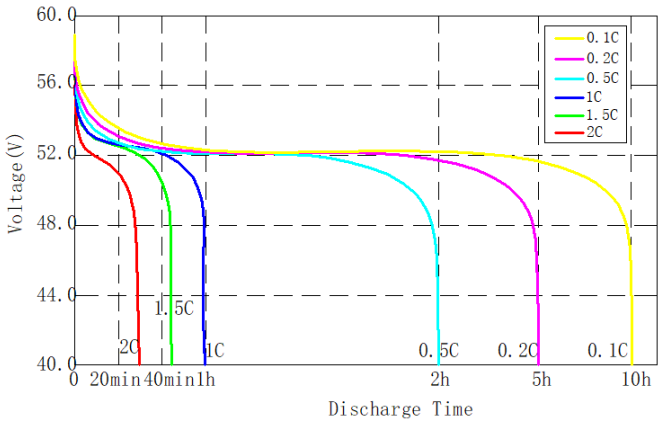
- A grade brand new prismatic $LiFePO_4$ cells
- ＞8000 cycles (25℃,0.5C)
- Over charge, over discharge, over temperature, low temperature, over current and short circuit protection
- LCD display screen to monitor cell SOC, voltage, temperature and alarm status
- Cell balance function
- Metal Case, excellent heat dissipation, more safety
- Certificate: UN38.3 MSDS IEC62619
- Max 8 battery packs can be connected in parallel

▶ Electrical Characteristics

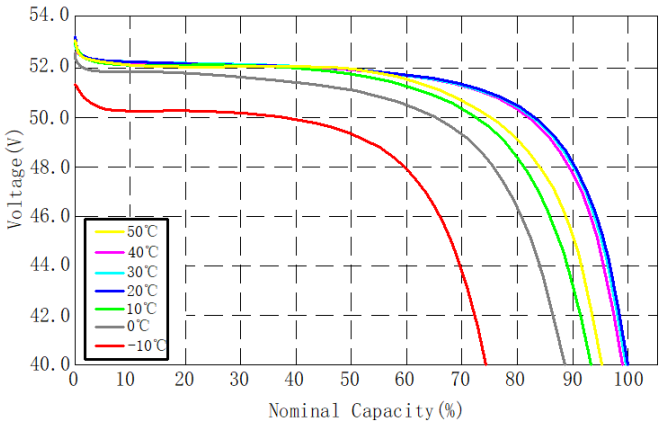
Model		MSLB-48320M
Main Parameter		
Battery Chemistry（LiFePO4）		
Capacity(Ah)		314
Nominal Voltage (V)		51.2
Operating Voltage(V)		43.2~58.4
Energy(kWh)		16.1
Usable Energy(kWh)[1]		15.2
Charge/Discharge Current (A)[2]	Recommend	150
	Max	200
	Peak(500ms, 25°C)	250
	Short-circuit (1.12ms, 25°C) A	1444
Other Parameter		
Recommend Depth of Discharge		90%
Dimension (W/D/H, mm)		790*270*400
Weight Approximate (kg)		112±5kg
Master LED Indicator		5LED(SOC:20%~SOC100%), 3LED (working, alarming, protecting)
IP Rating of Enclosure		IP20
Operating Temperature		Charge:0~55°C (Optional heating) / Discharge: -20°C~55°C
Insulation resistance factory test		>100MΩ
Initial battery internal resistance		0.18±0.05mΩ
Storage Temperature		0°C~35°C
Humidity		5%~95%
Altitude		≤2000m
Cycle Life		≥8000(25°C±2°C, 0.5C/0.5C, 90%DOD, 70%EOL)
Installation		Floor-Mounted, Mobile - Mounted
Communication Port		CAN2.0, RS485,Buletooth,WIFI
Warranty Period[3]		15 years
Energy Throughput[3]		65MWh@70%EOL
Certification		SAA, IEC62619, UN38.3

Performance characteristics

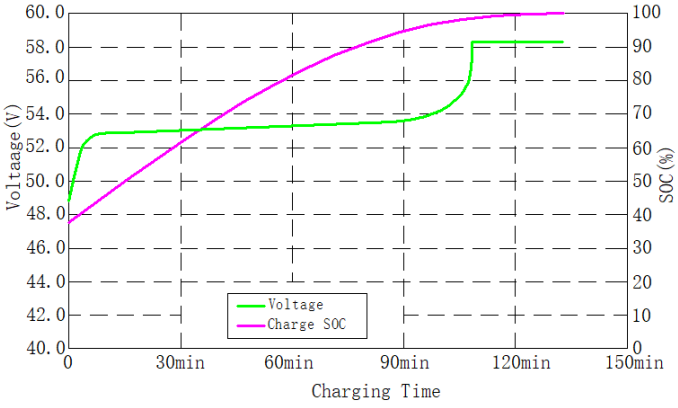
Different Rate Discharge Curve@25°C



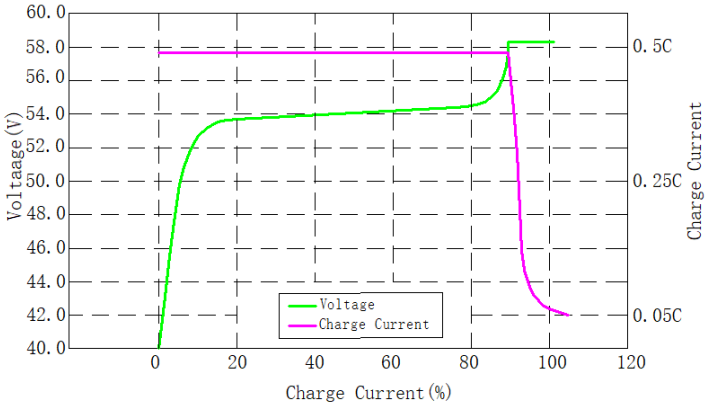
Different Temperature Discharge Curve@0. 5C



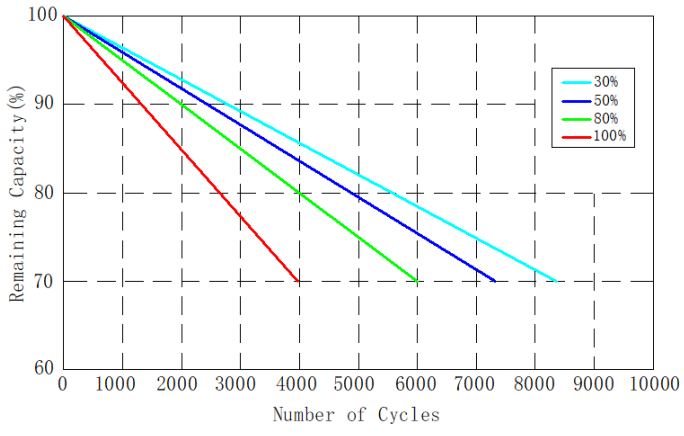
State of Charge Curve@0.5C 25°C



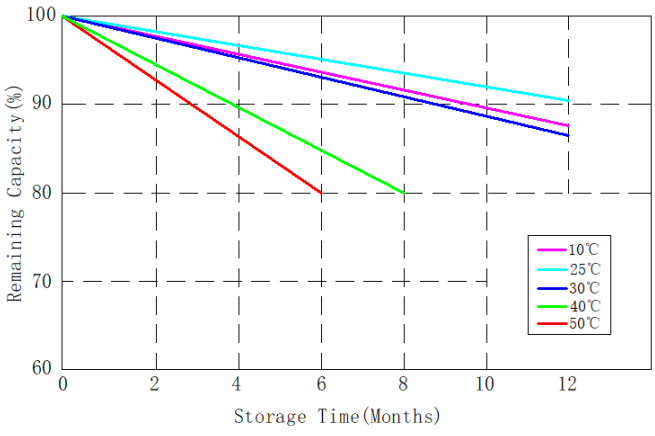
Charging Characteristics @0.5C 25°C



Different DOD Discharge Cycle Life Curve@0.5C 25°C



Different Temperature Self Discharge Curve



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