

Lithium Iron Phosphate (LiFePO4) Battery with Bluetooth

Bluetooth APP discription

SLAUMXLI100-24BLU (25.6V 100Ah)



For Apple mobile phone, search and download "UMXLI Battery"
For Android mobile phone, search and download "UMXLI BMS"

BMS Specification

- Overcharge detection function
- Over discharge detection function
- Over current detection function
- Temperature protection
- Short detection function
- Balance function

Application

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

Interface of APP:



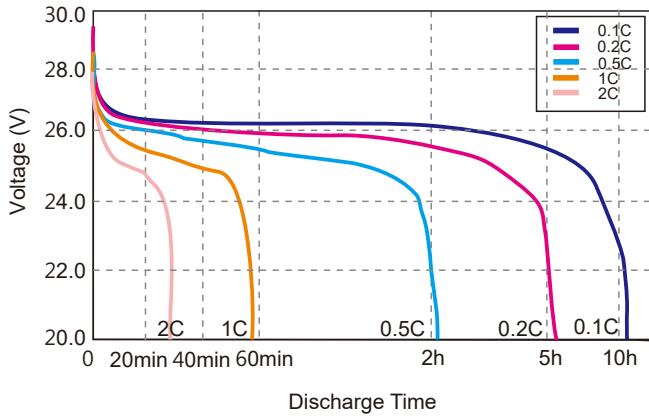
Electrical Characteristics	Nominal Voltage	25.6V
	Nominal Capacity	100Ah
	Energy	2560Wh
	Internal Resistance	≤20mΩ
	Cycle Life	>2000 cycles @1C 100%DOD
	Months Self Discharge	<3%
	Efficiency of Charge	100% @0.5C
	Efficiency of Discharge	96~99% @1C
Standard Charge	Charge Voltage	28.8±0.1V
	Charge Mode	0.2C to 28.8V, then 28.8V, charge current to 0.02C (CC/CV)
	Charger Current	50A
	Max. Charge Current	80A
	Charge Cut-off Voltage	29.2V±0.1V
Standard Discharge	Continuous Current	100A
	Max. Pulse Current	300A(<2s)
	Discharge Cut-off Voltage	20V
Environmental	Charge Temperature	0 °C to 45 °C (32F to 113F) @60±25% Relative Humidity
	Discharge Temperature	-20 °C to 60 °C (-4F to 140F) @60±25% Relative Humidity
	Storage Temperature	0 °C to 40 °C (32F to 104F) @60±25% Relative Humidity
	Water Dust Resistance	IP56
Mechanical	Cell & Method	32700 6000mAh 8S17P or 2770180 25Ah 8S4P
	Plastic Case	ABS
	Dimensions (mm./in.)	327x180x100mm
	Weight (kg./lbs.)	26.0kg
	Terminal	M8

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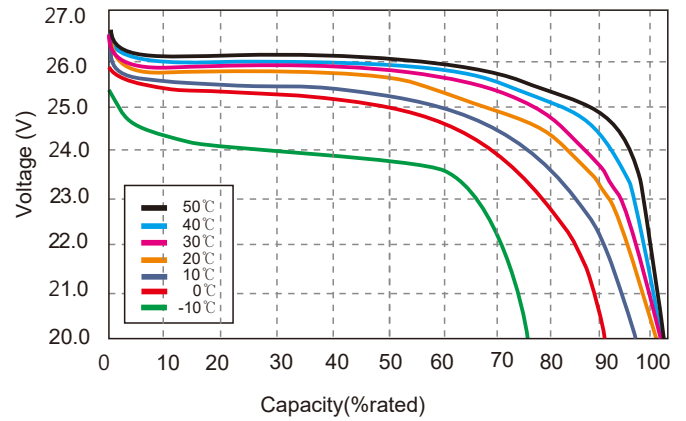
Different Rate Discharge Curve

Different Rate Discharge Curve @25°C



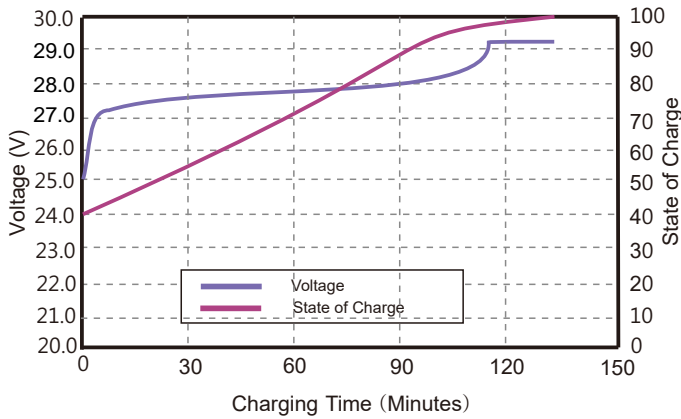
Different Temperature Discharge Curve

Different Temperature Discharge Curve @0.5C



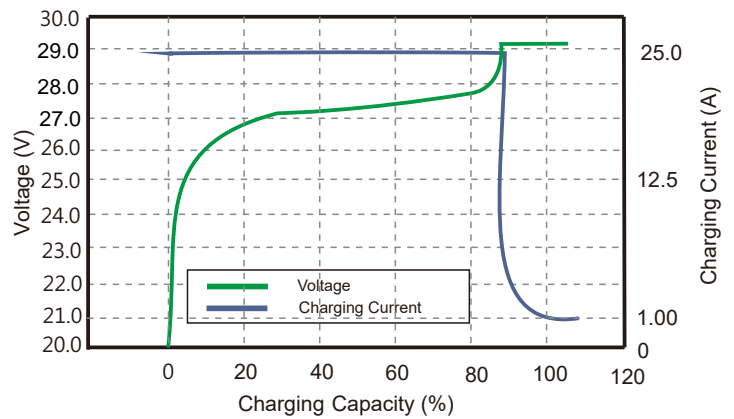
State of Charge curve

State of Charge Curve @0.5C 25°C



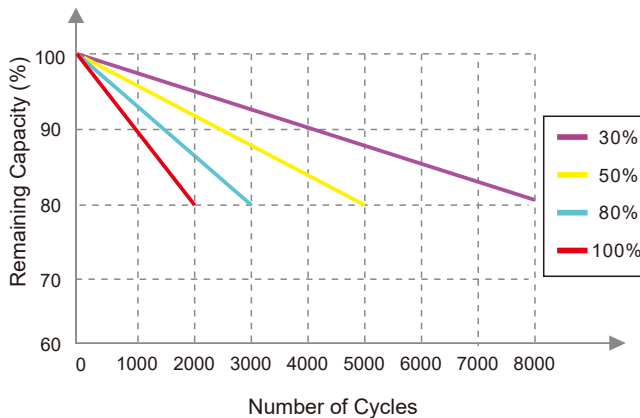
Charging Characteristic

Charging Characteristics @0.5C 25°C



Cycle Life Curve

Different DOD Discharge Cycle Life Curve @1C



Self Discharge Characteristics Curve

Different Temperature Self Discharge Curve

