

Lithium Iron Phosphate (LiFePO4) Battery Specification

SLAUMXLI100-12DINPRIBLU (12.8V100AH)



Specifications

Items	Standard	Remark
Nominal voltage	12.8V	
Typical capacity	100Ah	At 0.2C discharge rate
Max continuous discharge current	100A	
Peak discharge current	300A	1s
Over current protection	500±20A	10ms
Discharge cut-off voltage	10V	
Charge voltage	14.6±0.1V	Charge mode: CC/CV, Use a constant current, constant voltage(CC/CV) please use special lithium charger. DO NOT REVERSE!
Charge current	≤ 100A	
Inner resistance	≤ 10mΩ	Between positive and negative polar
Operation temperature range	Charge	0°C~+45°C
	Discharge	-20°C~+60°C When the environment temperature is higher than 45°C, please pay attention to ventilation and heat rejection.
Storage temperature range	0°C~40°C (Capacity 80%)	Recommended long-term storage temperature is 15~25°C
Humidity	5%≤RH≤85%	
Shell material	ABS plastic	
Weight	About: 12Kgs	
Size (L*W*H)	351*175*192mm ±1mm	
Protection function	Over charge protection, Over discharge protection, Over current protection, Balance function, Temperature protection	
Communication (optional)	N/A	

Characteristics

5.1 Standard charge

Charge the battery with Lithium ion battery special test cabinet, supply 14.6V voltage, constant-current 0.2C(A) current until current down to 0.02C(A)

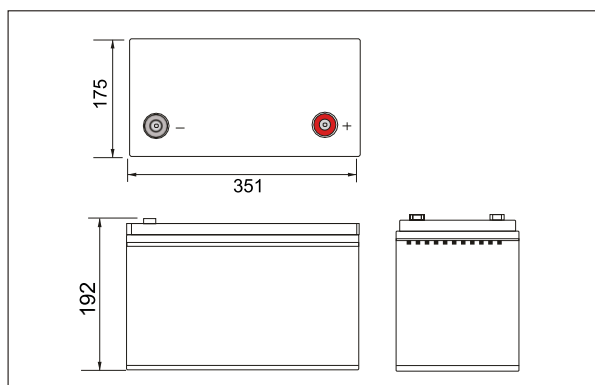
5.2 Standard discharge

Discharge the battery at 0.2C (A) to 10.0V or battery cut off voltage.

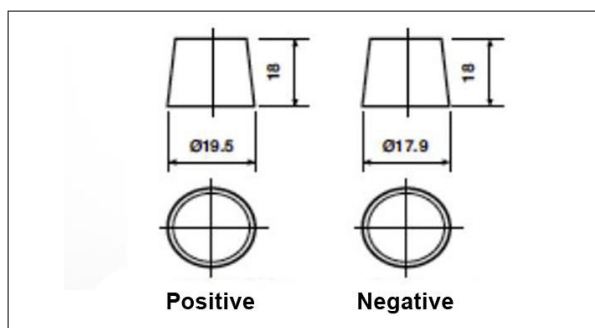
5.3 Electrical Performance

Test Items	Test Methods	Test Standards
Capacity retention rate	After standard charge under 5.1 specified conditions, store the cells for 28 days, then discharge at 0.2C (A) to cut-off voltage.	Capacity retention rate≥80%
Cycle Life	1. Standard charge at 0.2C (A) , 2. rest 0.5~1 h, 3. discharge at 0.2C to cut off voltage rest 0.5~1h, 4. repeat the above steps until 2000 cycles.	Capacity retention rate≥80%

Outer dimensions (mm)



Terminal Type (mm)



Bluetooth APP discription

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

Interface of APP:

