

Lithium Iron Phosphate Battery

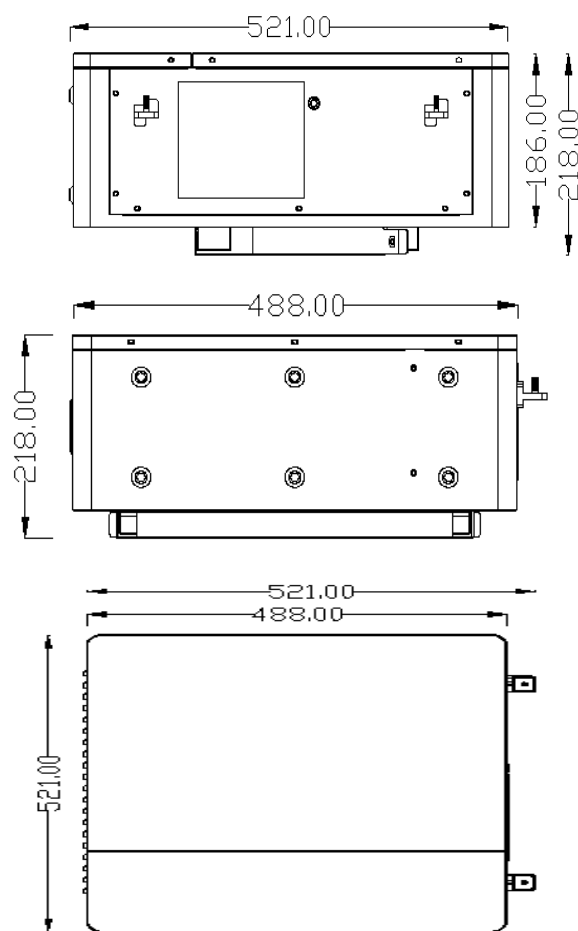
LiFePO4 SK-51.2V100Ah

Overview

The SK-51.2V100Ah rechargeable battery is optimized for low rate application which requires high energy density.

Features

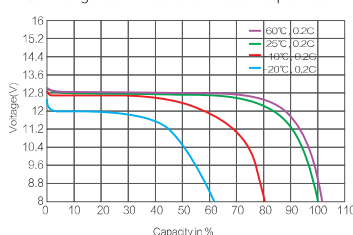
- LiFePO4 battery, more stable and safe .
- Intelligent BMS equipped inside to maintain the battery always work at best condition .
- Max charge and discharge current as 200A which is specially designed for solar energy .
- Build-in 1.2A equalizer can balance solar cell voltage difference as small as 0.05V in a very short time.
- Excellent standby self-consumption as low as 4mA .
- Automatically output cut off after 30days no charge and discharge to ensure security , also can cut off output by manual operation .



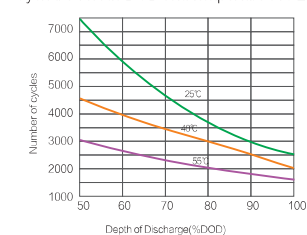
Battery Specification

Nominal Characteristics		
Nominal Voltage /V	51.2	
Nominal Capacity /Ah (25° C , 0.2C)	100	
Mechanical characteristics		
Weight (approximate)/Kg	58.0	
Dimension L*W*H /mm	521*488*218	
Terminal	M6	
Electrical characteristics		
Voltage window/V	44.8 to 58.4	
Float charge voltage/V	55.2	
Max. continue discharge current/A	100	
Max. pulse discharge current/A	200A 30Sec.	
Max. continue charge current/A	100	
Operating conditions		
Cycle life (+25℃ 0.2C 100%DOD)	> 3000 Cycles	
Operating temperature	Discharge -10 to 50 Charge 0 to 50	
Storage temperature	0 to 30℃	
Storage duration	6 months at 25℃	
Safety standard	UN38.3,IEC62133	
IP Degree	IP20	

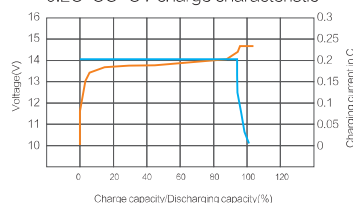
Dis charge curves under differents temperatures



Cycle life vevus DOD and temperature at 0.2C



0.2C CC-CV charge characteristic



Self-discharge characteristic

