



LiFePO4 Battery SF12100M (12.8V100Ah)

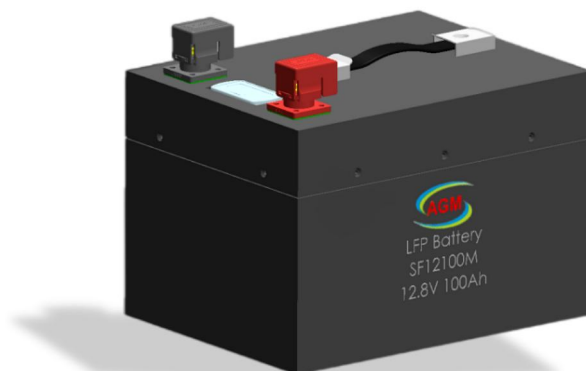
Features

Longer Cycle Life: Offers up to 20 times longer cycle life and five times longer float/calendar life than lead acid battery, helping to minimize replacement cost and reduce total cost of ownership.

Lighter Weight: About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.

Higher Power: Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.

Superior Safety: Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.



Applications

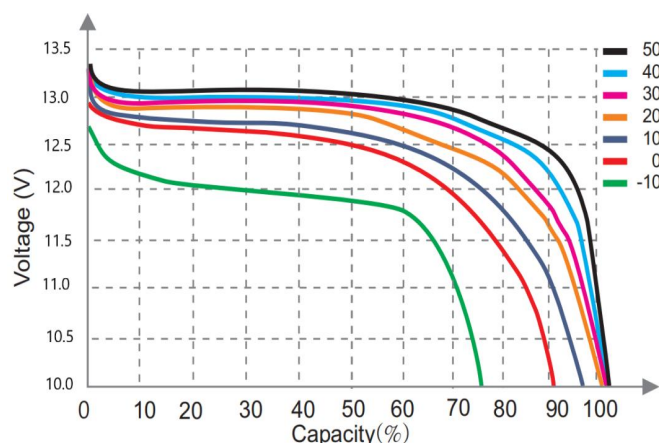
Replace lead-acid batteries(Home energy storage, RV energy storage, Ships energy storage etc.)

Length*Width*Height: 265*200*180mm
(Excluded terminals & handles)

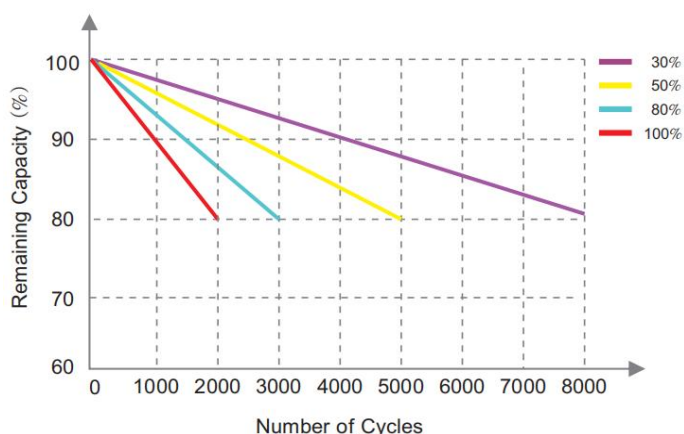
Specification

Nominal voltage	12.8V	Nominal capacity	100Ah
Energy	1.28KWh	Cycle life	3000 cycles @25°C,0.2C,80%DOD
Charge voltage	≤14.6V	Discharge voltage	≥10V
Charge current	50A	Discharge current	≤100A,150A (<5s)
Charge temperature	0~45°C	Discharge temperature	-20~65°C
Storage temperature	0~45°C	Self-discharge rate	≤3%/month
Shell material	Q235	IP class	IP55
N.W:	~10Kg	Material system	Lithium Iron Phosphate (LFP)
Terminals	M8	Other configuration	LCD (Current,Voltage)
Protective function	Over-current protection,Over-voltage protection,Low-voltage protection,Over-temperature protection,Low-temperature protection,Short-circuit protection etc		

Discharge voltage curve at Different temperature



Cycle life at different DOD



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