



LiFePO4 Battery SF48100-3U (51.2V100Ah)

Features

- Standard size:** it can be installed in a standard 19" cabinet. Height is 3U only, saving cabinet space.
- Lower usage cost:** Longer cycle life, Lower usage cost;
- Wider discharge temperature range:** -20~65℃.
- Superior safety:** High safety lithium iron phosphate cell, equipped with high-precision BMS, to ensure Safe operation of battery pack;
- Intelligent BMS:** can communicate with PCS, real-time monitoring and remote control battery pack status;



Length*Width*Height: 442*480*134mm
(Excluded terminals, handles & mounting ears)

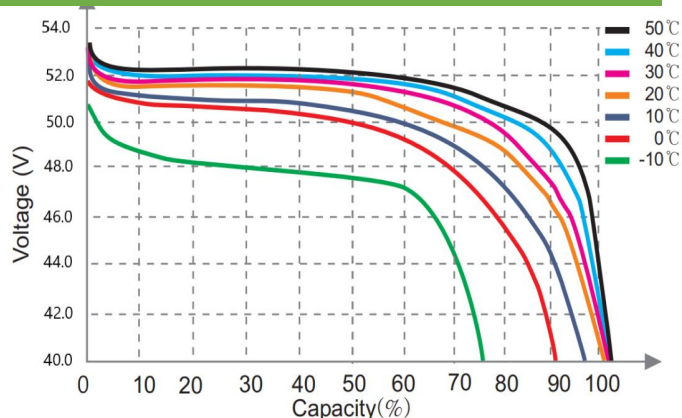
Applications

Home energy storage, Off-grid energy storage etc

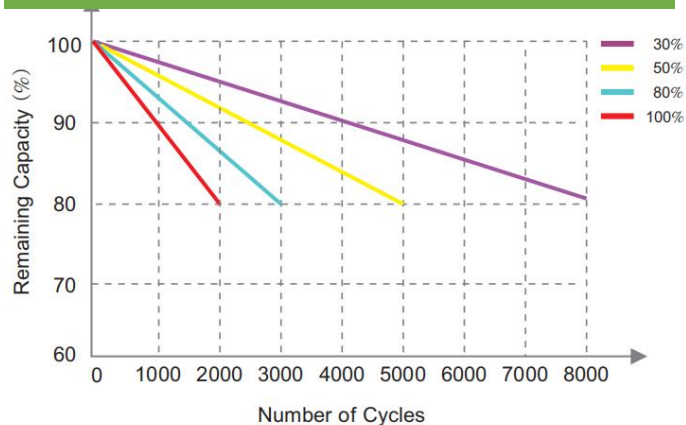
Specification

Nominal voltage	51.2V	Nominal capacity	100Ah
Energy	5.12KWh	Cycle life	3000 cycles @25℃,0.2,C,80%DOD
Charge voltage	≤58.4V	Discharge voltage	≥40V
Charge current	100A	Discharge current	≤100A
Charge temperature	0~45℃	Discharge temperature	-20~65℃
Storage temperature	0~45℃	Self-discharge rate	≤3%/month
Shell material	Q235	IP class	IP30
N.W:	~45Kg	Material system	Lithium Iron Phosphate (LFP)
Terminals	M6	Option functions	LCD, Anti-theft, Anti-reverse connection, weak current switch
Protective function	Over-current, Over-voltage, Low-voltage, Over-temperature, Low-temperature, Short-circuit etc protections		
Communication interfaces	CAN & RS485 (Each one, connected to PCS, CAN be configured according to PCS communication protocol, to meet the communication requirements of PCS of any brands)		
Other functions	20A Charge current limiting, dry contact, 125A circuit breaker, Cell voltage balance, reset switch etc		

Discharge voltage curve at Different temperature



Cycle life at different DOD



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