

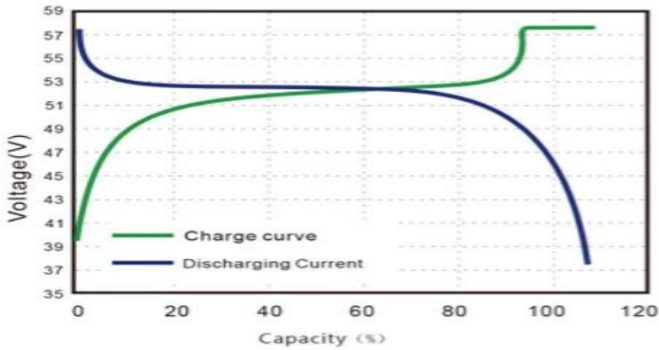


Serial No.	Technical requirement	JYEDJ512105F16S	JYEDJ512210F32S	JYEDJ512315F48S
1	Energy (Wh)	5376	10752	16128
2	Standard voltage	DC-51.2V		
3	Charge protection voltage	DC-58.4V		
4	Discharge protection voltage	DC-40.0V		
5	Charging temperature range	0-55℃		
6	Discharge temperature range	-20-65℃		
7	Relative humidity	45%~85%		
8	Storage (within 1 month)	-20℃~45℃		
9	Storage (within 1 year)	0℃~35℃		
10	Storage humidity	<70%		
11	Charging current (A)	20-50	40-100	60-150
12	Standard discharge current (A)	≦50	≦100	≦150
13	Maximum discharge current (A)	≦100	≦200	≦300
14	Weight (kgs)	45-50	90-95	135-140
15	Specification high * width * depth (mm)	1050*480*230(±5)	1050*480*400(±5)	1500*480*400(±5)
16	Communication function	RS485、RS232、CAN		
17	Bluetooth function	Mobile phone connection		
Inverter				
1	AC input function	110-220VAC(380VAC available)		
2	DC input function	40-60VDC		
3	PV input function	120-500VDC( available)		
4	AC output function	110-220VAC(380VAC available)		
5	Output frequency	50Hz/60Hz		
6	Wireless WiFi			
7	Inverter power	3KW-5KW	5KW-10KW	10KW-15KW

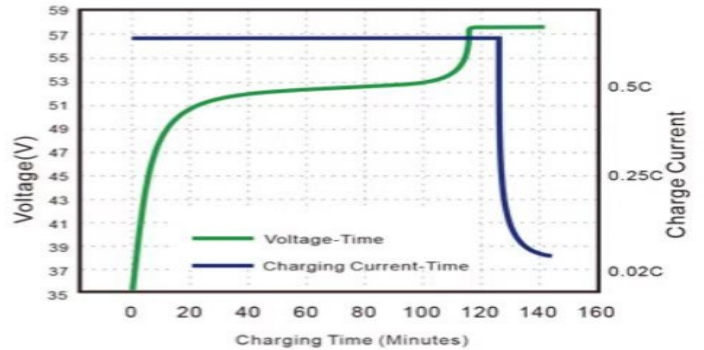
PERFORMANCE CHARACTERISTICS

Charging and Discharge curve

● Charge and discharge curve @0.5C 25°C

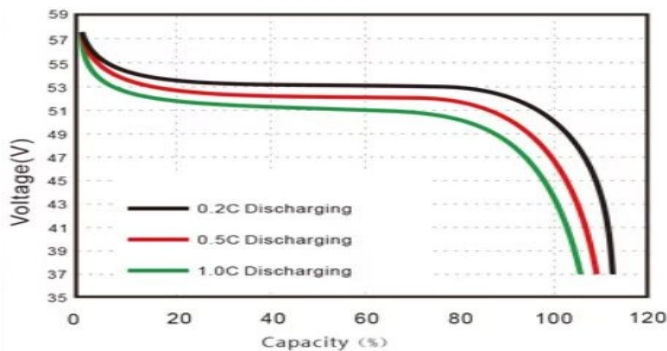


● Charging Characteristics @0.5C 25°C

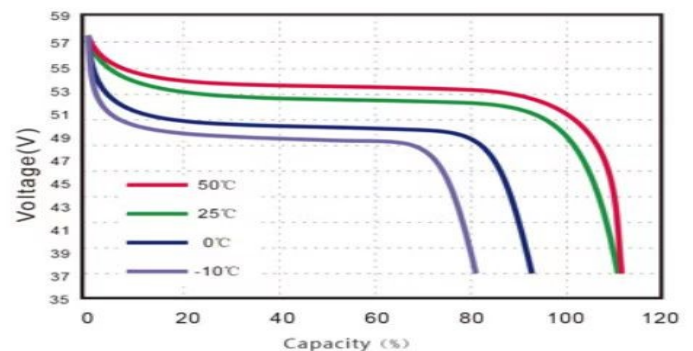


Different current/Temperature Discharge curves

● Different Rate Discharge Curve @25°C



● Different Temperature Discharge Curve @0.5C



FEATURES & BENEFITS



**High cycle life**  
> 5 years or 6000 cycles, effectively reducing the total cost of ownership.



**Longer service life**  
Low maintenance batteries with stable chemistry.



**Built in circuit protection**  
Battery Management System (BMS) is incorporated against abuse.



**Better storage**  
For up to 6 months, there is no risk of sulfate due to its extremely low self-discharge rate.



**Quickly recharge**  
Save time and increase productivity with less down time thanks to superior charge/discharge efficiency.



**Extreme heat tolerance**  
Suitable for use in a wider range of applications where ambient temperature is unusually high: up to +60°C.



**Lightweight**  
Lithium iron phosphate energy storage batteries provide more power.

APPLICATIONS

Lithium iron phosphate energy storage battery, suitable for home, street lamp, commercial, industrial and other electrical products:

- Caravan
- Marine
- Home energy storage
- Outdoor energy storage
- Solar Storage
- Remote Monitoring
- Switching applications and more

CAUTIONS

- Do NOT short circuit, reverse polarity, crush or disassemble.
- Do NOT heat or incinerate.
- Do NOT immerse in any liquid.
- Store at 30~50% SOC. Recharging every 3 months is recommended. The storage area should be clean, cool, dry and ventilated.