

## JYF12200 LiFePO<sub>4</sub> Battery

### ELECTRICAL PERFORMANCE

Nominal Voltage	12.8 V
Nominal Capacity	200Ah
Capacity @ 300A	40min
Energy	2560Wh
Resistance	≤10mΩ @ 50% SOC
Self Discharge	<3% / Month
Cells	Square aluminum shell

### CHARGE PERFORMANCE

Recommended Charge Current	70A
Maximum Charge Current	≤150A
Recommended Charge Voltage	14.4V
BMS Charge Cut-Off Voltage	<14.6 V (3.65V/Cell)
Reconnect Voltage	>14.2 V (3.55V/Cell)
Balancing Voltage	<14.1 V (3.525V/Cell)
Maximum Batteries in Series	4

### DISCHARGE PERFORMANCE

Maximum Continuous Discharge Current	100A
Peak Discharge Current	≤200A(≤5S)
BMS Discharge Cut-Off Current	300A ±43.3A (50-150ms)
Recommended Low Voltage Disconnect	9.2 V (2.3V/Cell)
BMS Discharge Cut-Off Voltage	>9.2 V (2s) (2.3V/Cell)
Reconnect Voltage	>10.8 V (2.7V/Cell)
Short Circuit Protection	450 ~ 800 μs



### MECHANICAL PERFORMANCE

Dimension L x W x Hx HT	510 x 250 x 220x 230mm
Approx. Weight	(22.5kg)
Case Material	ABS
Enclosure Protection	IP65

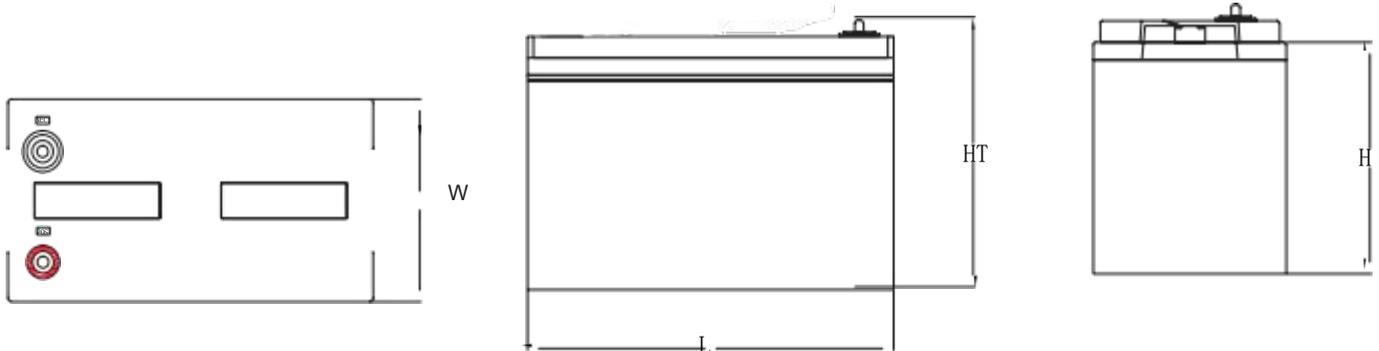
### TEMPERATURE PERFORMANCE

Discharge Temperature	-4 ~ 131 °F (-20 ~ 55 °C)
Charge Temperature	32 ~ 113 °F (0 ~ 45 °C)
Storage Temperature	23 ~ 95 °F (-5 ~ 35 °C)
BMS High Temperature Cut-Off	149 °F (65 °C)
Reconnect Temperature	131 °F (55 °C)

### COMPLIANCE

Certifications	CE (battery) UN38.3 (battery) UL1642 & IEC62133 (cells)
Shipping Classification	UN 3480, CLASS 9

### OUTLINE DIMENSION

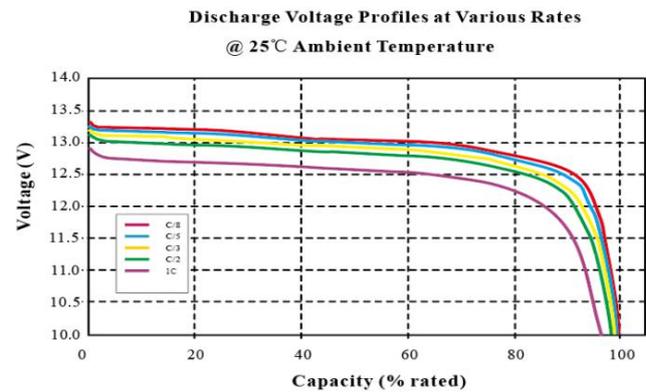
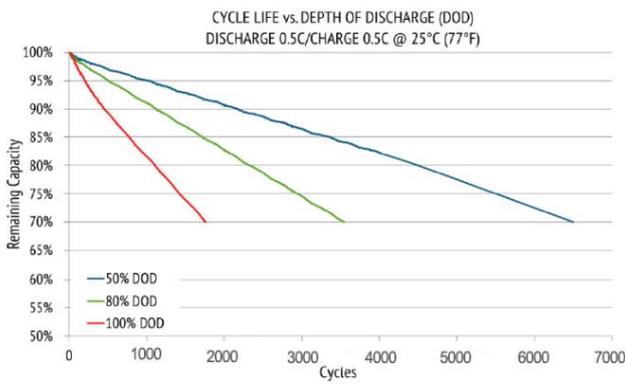
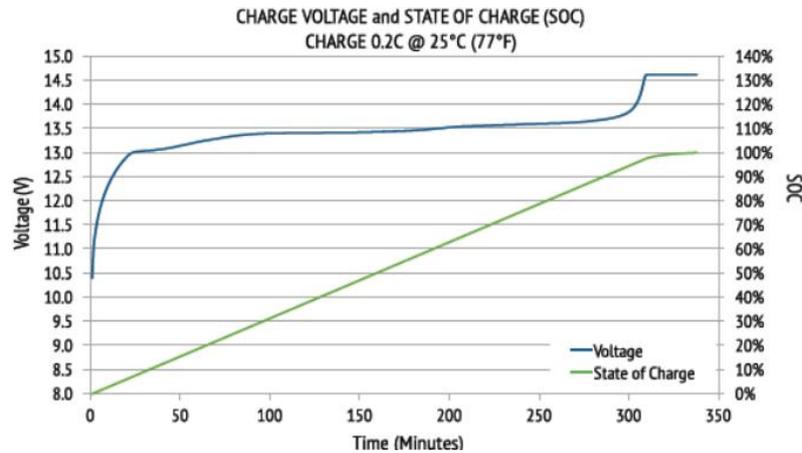
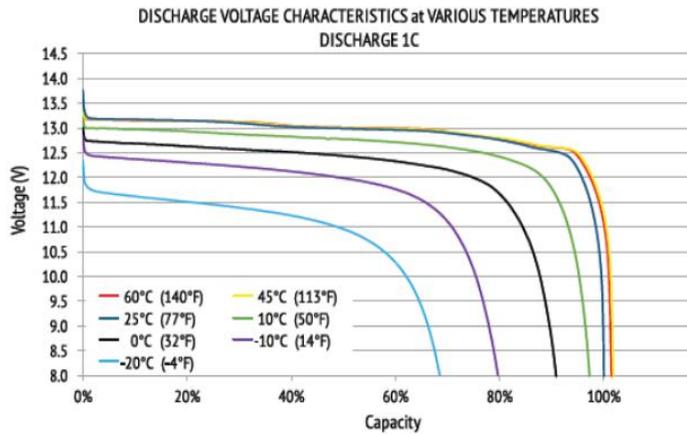


L (mm)	W (mm)	H (mm)	HT (mm)
510	250	220	230

Performance may vary depending on application. All specifications are subject to change without prior notice to the user. This data is for evaluation purposes only. No guarantee is intended or implied by this data. For clarification and updated information, please contact us.



## PERFORMANCE CHARACTERISTICS



## FEATURES & BENEFITS

- 
**High cycle life**  
 >2000 cycles for effectively lower 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**  
 up to 6 months thanks to its extremely low self discharge (LSD) rate and no risk of sulphation.
- 
**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 batteries provide more Wh/Kg while also being up to 1/3 the weight of its SLA equivalent.

## APPLICATIONS

Lithium Iron Phosphate can be used in most applications that use Lead Acid, GEL or AGM type batteries. Suitable applications include:

- Caravan
- Marine
- Golf Car
- Buggies
- 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.

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