Model: JS 250-12-100 (XUM-L3-250A)

Features:

- Built in advanced BMS and Active cell balancer
- 3 Stage current, timing & temperature protection
- Automatic internal low voltage re-start
- Self-recovery after a short circuit
- Parallel connection of the battery packs
- Active crossover equalization of the internal cell banks
- Battery can continue to operate after a single cell fails
- Single cell short circuit active balancer
- The battery pack is equipped with a balancer
- Light weight: one third of a lead-acid battery at the same capacity, or even lighter
- Good high-temperature performance
- LiFePO4 batteries' deep cycles are that of 3 ~ 4 times of lead acid batteries
- Certifications: CE, EMC, RCM, UN 38.3
- 3 Years Warranty
- Note: This battery can't be used to start motor vehicles

Parameter:

- Battery Capacity: 3200Wh
- 250AH Lithium Iron
- 3000+Cycles
- Dimensions: 330*180*220mm
- Chemical: Lithium Iron LiFePo4
- Cell Type: Prismatic
- Cell Weight: 19.92±0.013kgs
- Operating Temperature Range: -20°C ~ +60°C
- Voltage: 12.8VDC
- Cell Capacity: 65Ah
- Max Continuous Current: 100A
- Max 30 Seconds Pulse: 120A
- Min Charge Current: 1A
- Max Charge Current: 60A
- Max Charge Voltage: 14.6V
- Recommended Charge: 30A
- Cell Balancing: 5AH charge & discharge
- Cycles @ 100% DOD: DOD 2000 Cycles
- Cycles @ 80% DOD: DOD 3000 Cycles
- Cycles @ 50% DOD: DOD 3500 Cycles
- Cycles @ 30% DOD: DOD 8000 Cycles
- Low Voltage cut out: 10.0VDC
- BMS Reconnect: Automatic
- Terminal: T10 (mm)
- IP Rating: IP65

Technical Specifications	Rating	Notes
Overall Voltage Overcharge Protection:	14.8V	Maximum single cell voltage: 3.65V
Standard Discharge Current:	100A	0.5C
Maximum Active Circuit Current:	Running Current: 5A Max Running Current: 8A	Final equilibrium effect: 3mv (Average voltage difference between the unit and battery)
Working Temperature:	-20-60℃	
Storage Environment Conditions:	Storage temperature: -40℃~85℃ 5%~75% RH Relative humidity	Lithium iron phosphate battery has excellent electrochemical performance.The charging and discharging platform is very stable.
Single Cell Over-Charge Protection Voltage:	3.65±0.05V Delay: 1±0.5S Release: 3.550±0.05V	

Single Cell Over-Discharge Protection Voltage:	Protection: 2.50±0.1V Delay: 1±0.5S Release: 2.70±0.05V	
Short Circuit Protection:	Delay<10uS Current>250A	
Charging/Discharge High Temperature Protection Temperature:	Protection: 70±2℃ Release: 65±2℃	
Charging Low Temperature Protection Temperature:	Protection: -0±2℃ Release: 5±2℃	
Discharge Low Temperature Protection Temperature:	Protection: -20±2℃ Release: -15±2℃	
First Discharge Over Current:	120±10A Delay: 30S±3S	
Secondary Discharge Over Current:	150±10A Delay: 3S±1S	
Charge Over Current:	>60A Delay: 6S	
Low Voltage Charging:	Battery Pack＜ 2.5V BMS Charging Current: 0.8A Each Cell> 2.2V Restore MAX current charge	
MOS FET High Temperature Protection:	Protection: 70±2℃ Release: 65±2℃	The MOS FET temperature is higher than the high value, the battery will shuts off,and the temperature is lower than the lower,the battery will release.
Any Cell Broken Line Detection:	It cannot charged or discharged when the wires is broken.	