

Model: JS 300-12-100 (XUM-L2-200A)



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: | | |
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| <ul style="list-style-type: none">● Battery Capacity: 3840Wh● 300AH Lithium Iron● 3000+Cycles● Dimensions: 480*240*220mm● Chemical: Lithium Iron LiFePo4● Cell Type: Prismatic● Cell Weight: 22.4±0.08kgs● Operating Temperature Range: -20℃ ~ +60℃● Voltage: 12.8VDC● Cell Capacity: 150Ah● 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 | |

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| 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. | |