

Model: JS 300-12-100 (XAM-T0-300)



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
- Metal case
- Note: This battery can't be used to start motor vehicles

Parameter:

- Battery Capacity: 3840Wh
- 300AH Lithium Iron
- 3000+Cycles
- Dimensions: 450*260*190mm
- Chemical: Lithium Iron LiFePo4
- Cell Type: Prismatic
- Cell Weight: 22.4±0.08kgs
- Operating Temperature Range: -20°C ~ +60°C
- Voltage: 12.8VDC
- Cell Capacity: 150Ah
- Maximum Discharge Rate: 1C
- 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°C	
Storage Environment Conditions:	Storage temperature: -40°C~85°C 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°C Release: 65±2°C	
Charging Low Temperature Protection Temperature:	Protection: -0±2°C Release: 5±2°C	
Discharge Low Temperature Protection Temperature:	Protection: -20±2°C Release: -15±2°C	
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°C Release: 65±2°C	The MOS FET temperature is higher than the high value, the battery will shut off, and the temperature is lower than the lower, the battery will release.
Any Cell Broken Line Detection:	It cannot be charged or discharged when the wires are broken.	