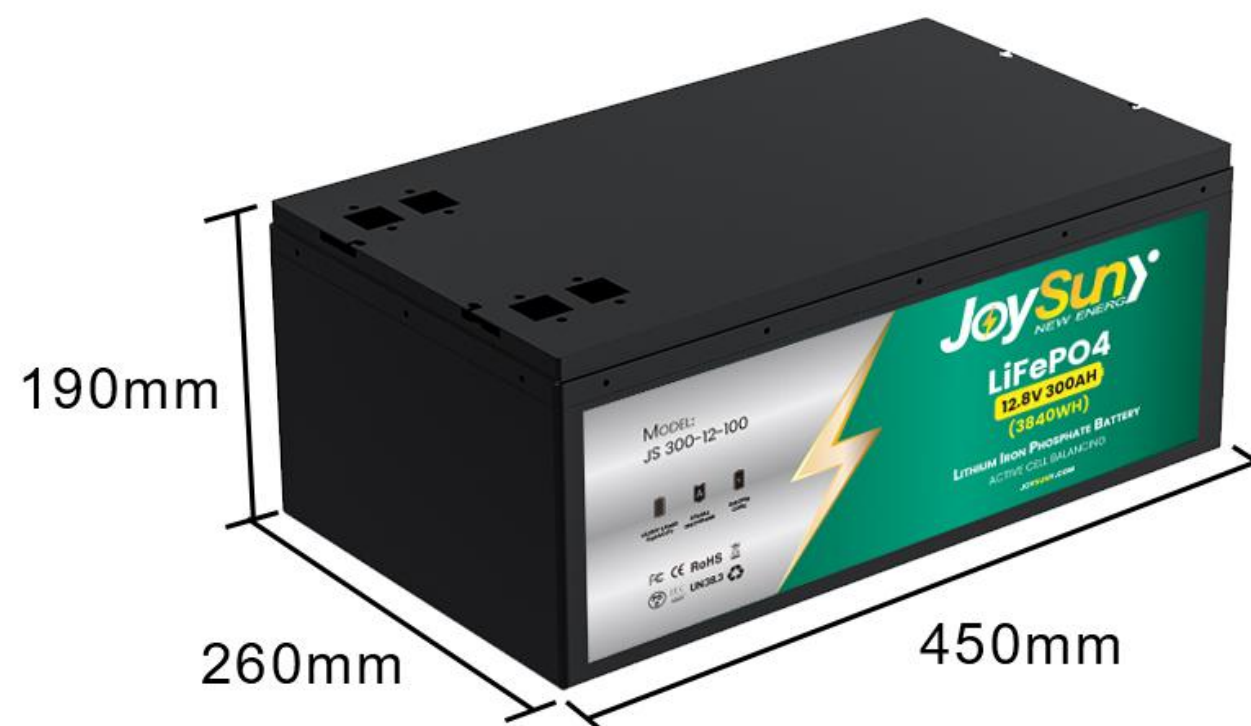


Model: JS 300-12-100 (XAM-T0-300)



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:		
<ul style="list-style-type: none">● 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℃ 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.	