TOPBAND

LITHIUM IRON PHOSPHATE BATTERY

R-B12300A

B-Series Lithium Batteries

Applications

- RV
- Marine
- Angling Boat
- Backup power
- Solar energy storage system
- Solar street LED lightings
- AGV
- Cleaning truck

Product Feature

- Standard lead acid cases, customized case, funtions and bluetooth app available.
- Support series or parallel connection.
- UL38.3 / CE / certificated, quality guaranteed.
- Bluetooth app monitoring and up grading. (Pending)
- 4000+Cycle Life, 80%DOD.
- Heating function optional

Electrical Parameters	
Nominal voltage	12.8V
Nominal capacity@0.2C	300Ah
Nominal energy@0.2C	3840Wh
Internal resistance	≤20mΩ @1kHz AC
Parallel and series connection	Support Max. 4 in series or Max.4 in parallel
Communication	Bluetooth
Self-discharge rate	≤3% Per month
Cycle life	≥4000 Cycles

Mechanical Parameters	
Dimension(L*W*H)	520*269*222mm
	20.4'*10.5'*8.7'
Weight (No accessories)	≈31.5kg (69.4 lbs)
IP level	IP54
Terminal and torque	M8|8-12N·M
Operation altitude	< 3000m

Charge Parameters	
Charge voltage range	14.0~14.6V
Float voltage range	13.6~13.8V
Allowed MAX charge current	200A|@25°C
Recommend charge current	100A

Discharge Parameters	
Allowed MAX discharge current	200A|@25℃
Recommend discharge current	100A
Peak/Surge current limit	500A@3S
Short circuit protection	1200A|500us
End of discharge	10.8~11.6V

Temperature Parameters		
Operation temperature	Charge	0～60°C (32 to 140°F)
	Discharge	-20～60°C (-4 to 140°F)
Storage environment	≤3month	-20～60°C (-4 to 140°F) /5～75%RH
	≥3month	-10～45°C (14 to 113°F) /5～75%RH
	Recommend environment	15～35°C (59 to 95°F) /5～75%RH

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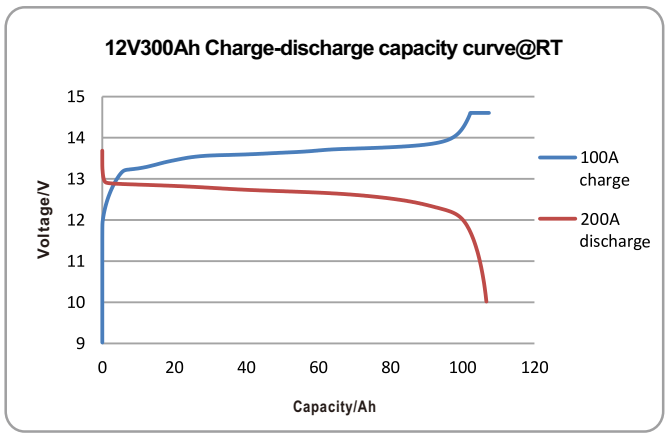
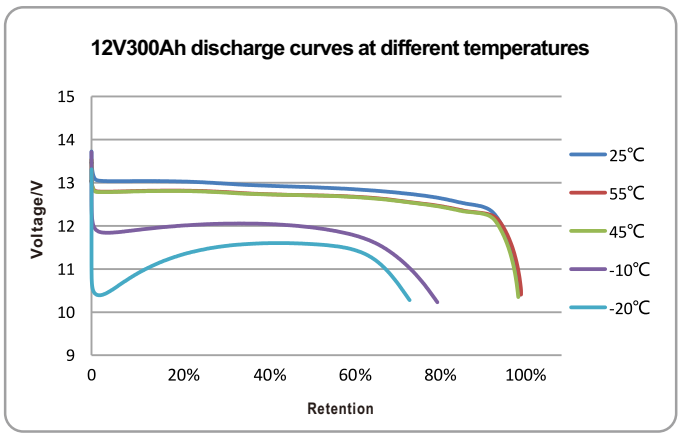
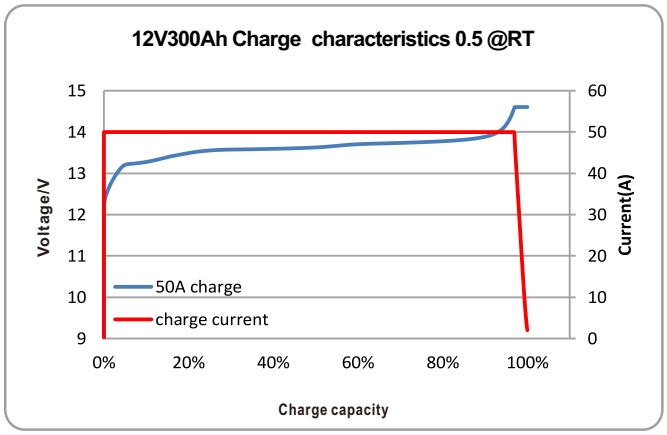
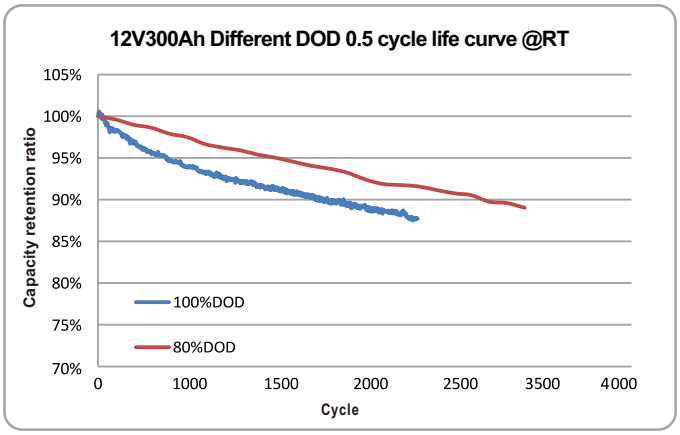
Performance Charateristics

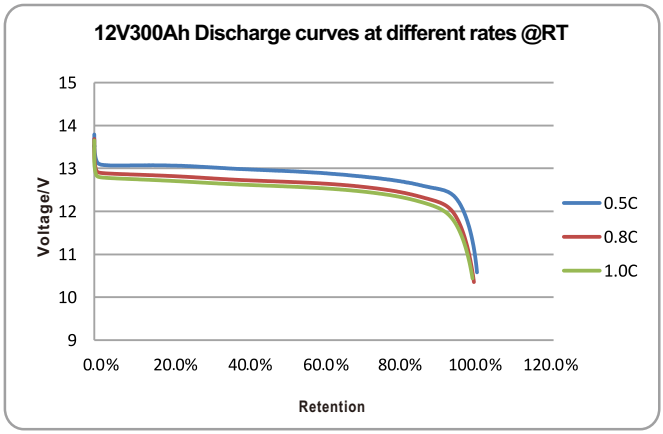
B-Series Lithium Batteries











Compliance Certificate

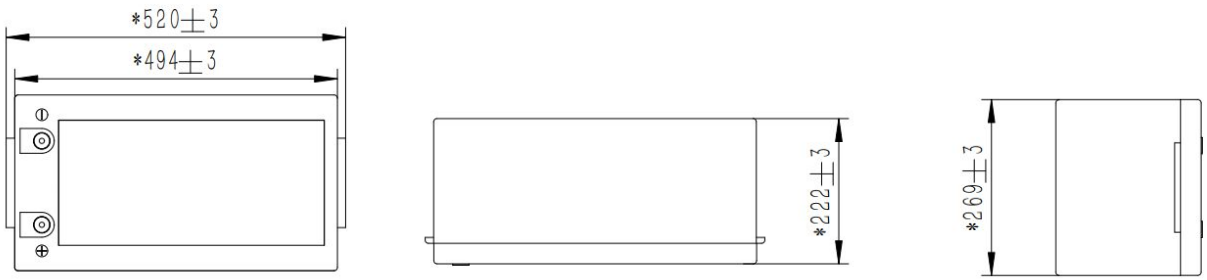
Certifications

Cells Conform to UL STD 1642

CE

Shipping classification

UN38.3 UN3480 CLASS:9

Battery Dimension

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