



#### Applications

- RV
- Backup power
- Solar energy storage system
- Angling boat
- Solar street LED lightings
- Marine

#### Product Feature

-  Standard lead acid cases, customized case, functions 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	150Ah
Nominal energy@0.2C	1920Wh
Internal resistance	≤20mΩ @1kHz AC
Parallel and series connection	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)	355*176*190mm
	13.97**6.92**7.48'
Weight (No accessories)	≈ 15.5kg(34.17 lbs)
IP level	IP54
Terminal and torque	M8 10N·M
Operation altitude	< 3000m

#### Charge Parameters

Charge voltage range	14.0~14.6V
Float voltage range	13.6~13.8V
Allowed MAX charge current	100A
Recommend charge current	80A

#### Discharge Parameters

Allowed MAX discharge current	150A @25°C
Recommend discharge current	100A
Peak/Surge current limit	800A@3S
Short circuit protection	940A 400us
End of discharge	10.8~11.6V

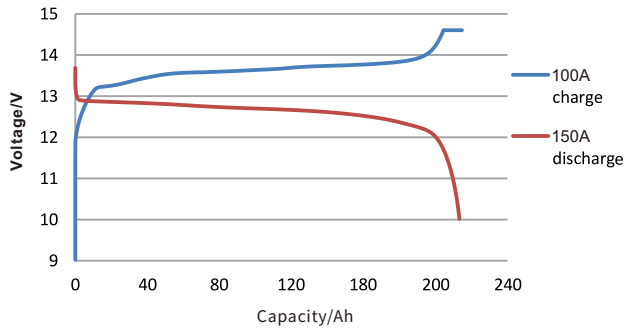
#### Temperature Parameters

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

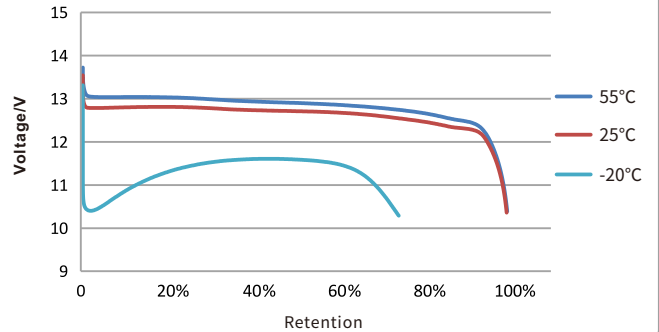
## Performance Characteristics

## B-DIN Series Lithium Batteries

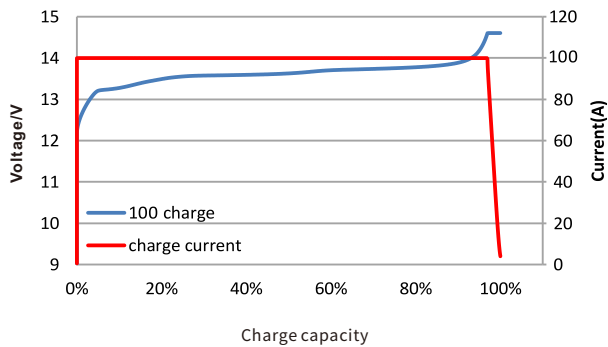
12V150Ah Charge-discharge capacity curve@RT



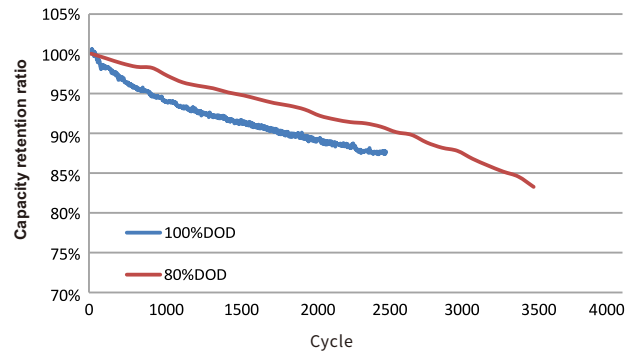
12V150Ah discharge curves at different temperatures



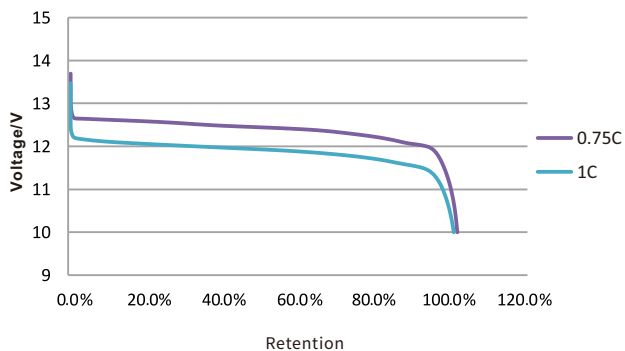
12V150Ah Charge characteristics 0.5 @RT



12V150Ah Different DOD 0.5 cycle life curve @RT



12V150Ah Discharge curves at different rates @RT



### Compliance Certificate

#### Certifications



#### Shipping classification

**UN38.3 UN3480 CLASS:9**

### Battery Dimension

unit: mm

