

SPECIFICATION SHEET ST100BT/ST100

Features and Benefits

- 5 years warranty
- > 3000 cycles @100% DoD

Much longer cycle life compared with lead acid battery, which will minimize replacement cost.

- Lighter weight but high energy density

1/3 of the weight of lead acid, lowering total weight of application, but delivers twice power.

- Smart BMS control

With integrated BMS protection against over charge/discharge, over current, short circuit and temperature, etc.

- CE / UN38.3 / MSDS Certified

- App monitoring is optional



Nominal Voltage	12.8V	Max. Continuous Discharge Current	100A
Nominal Capacity	100Ah	Recommended Discharge Current	50A
Energy	1280Wh	Recommended Low Voltage Disconnect	10V
Measurements(L*W*H)	330*172*223mm	BMS Discharge Cut-off voltage	>8.4V(50~150ms)
Weight	11.8Kgs	Reconnect Voltage	>10V
Terminal Type	M8*1.25*10mm	Short Circuit Protection	200~600μs
Terminal Torque	12 ~ 15 N.m	Recommended Charge Current	20A
Case Material	ABS-FR	Max. Charge Current	50A
Enclosure Protection	IP65	Recommended Charge Voltage	14.6V
Max. Batteries in Series	4	BMS Charge Cut-off Voltage	<15.2V(0.5~1.5s)
Discharge Temperature	-20~60℃	Reconnect Voltage	>14.4V
Charge Temperature	0~45℃	Balancing Voltage	<14V

Note: Cell and battery designs/specifications are subject to modification without prior notice. Please contact SAINTISH for the latest information.

Office in China

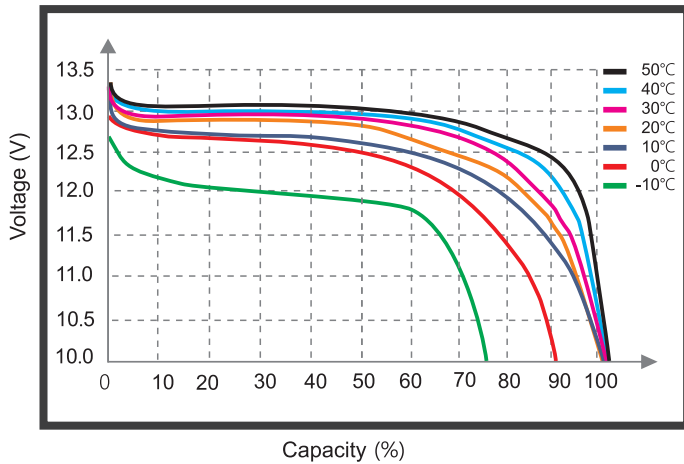
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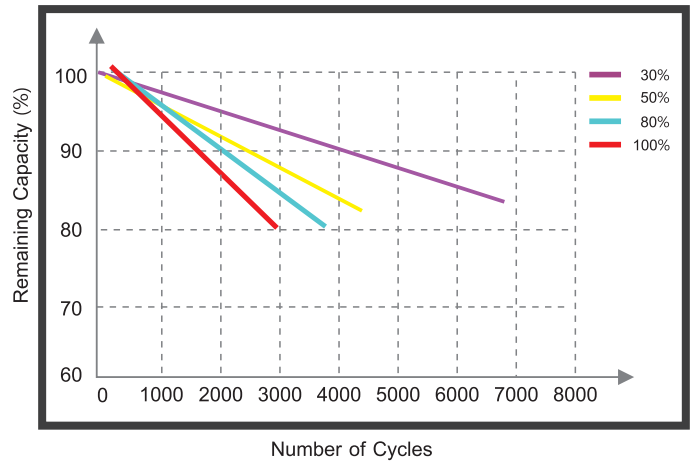
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PERFORMANCE UNDER DIFFERENT CONDITIONS

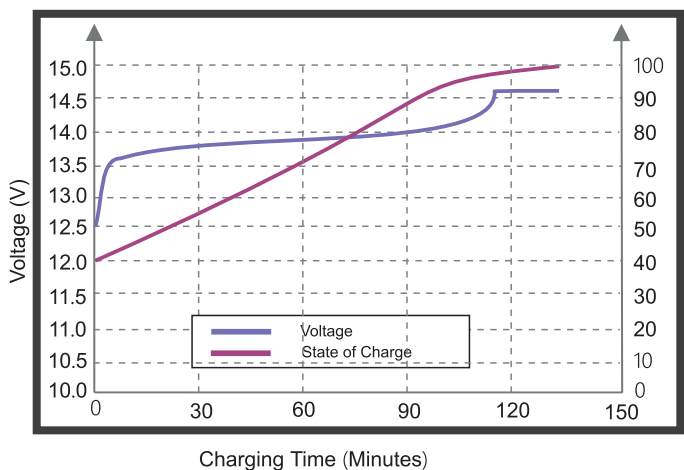
Different Temperature Discharge Curve(0.5C)



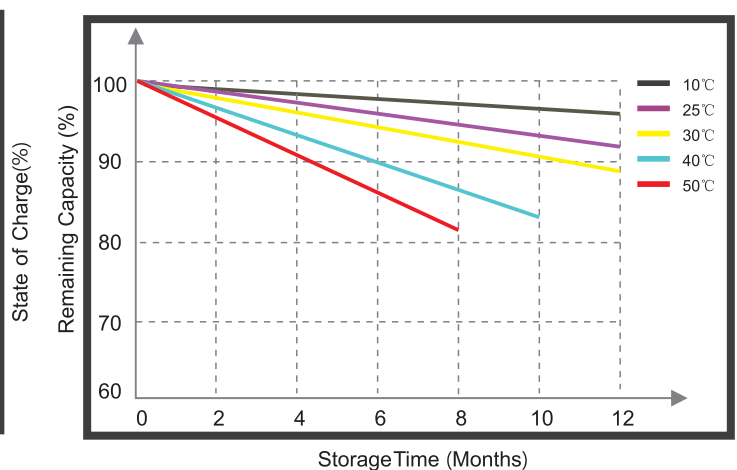
Different DOD Discharge Cycle Life Curve(1C)



State of Charge Curve(0.5C, 25°C)



Different Temperature Self Discharge Curve



APPLICATIONS

Lithium Iron Phosphate can be used in most applications that use Lead Acid, GEL or AGM type batteries.

Suitable applications include:

- Caravan
- Marine
- Golf Car
- Buggies
- Solar Storage
- Remote Monitoring
- Switching applications and more

CAUTIONS

- Do NOT short circuit, crush or disassemble.
 - Do NOT heat or incinerate.
 - Do NOT immerse in any liquid.
 - Storing at 50% capacity. Recharging every 3 months.
- The storage area should be clean, cool, dry and ventilated.

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