

# EV2500S - PRODUCT DATA SHEET

## Marine & Leisure Li-ion Battery 12.8 V – 200 Ah – 2500 Wh BLUETOOTH AND INTEGRATED HEATER

### Electrical specifications

Nominal voltage	12.8 V
Nominal capacity	200 Ah
Rated energy	2500 Wh
Internal resistance	<30 mΩ @ 50% SOC
Cycle life* (80% DoD)	>4000 cycles
Cycle life* (100% DoD)	>2000 cycles
Parallel connection	Yes, up to 4 units
Serial connection	Yes, up to 2 units

\* Standard charge @25°C

### Discharge specifications

Application	Equipment
Max discharge (continuous)	160 A (0,8 C)
Peak Discharge	400 A @ 3.5s
Discharge temperature range	-20 °C to 60 °C

### Charge specifications

Charge voltage range	13.6 – 14.6 V
Max charge voltage	14.6 V
Float voltage	13.8 V
Max charge current	160 A
Charge temperature range	-20 °C to 45 °C

### Standard charge (recommended)

Charge method	CC-CV
Charge current	60 A (0.3 C)
Charge voltage	14.6 V
Cut-off current	10 A (0.05 C)

### Mechanical specifications

Dimensions (LxWxH)	485x170x240 mm
Weight	25.0 kg
Terminal type	F-M8
Polarity	ETN1
IP rating	IP54
Cell chemistry	LiFePO4

### Storage specifications

Ideal long term storage temp.	15 °C to 35 °C
Short term storage temp.	-20 °C to 50 °C
Self discharge	<10% per month
Self discharge in sleep mode	<3% per month

### Battery monitor functions (mobile app)

Battery status and alarms	YES
State of charge (SOC)	YES
Battery voltage	YES
Charge / discharge current	YES
Estimated recharge time	YES
Battery temperature	YES
State of health (SOH)	YES
Cycle counter	YES

### BMS self protection

Over charge voltage	YES
Over charge current	YES
Over discharge voltage	YES
Over discharge current	YES
Over discharge current (peak)	YES
Short circuit protection	YES
Over / under temperature	YES
Automatic cell balancing	YES
Automatic pre-charge heating <0 °C	YES

Note: Refer to User Guide for full detailed specifications

IP54 Bluetooth™ UN38.3 UK CA CE



Exide Li-Ion Battery Monitor

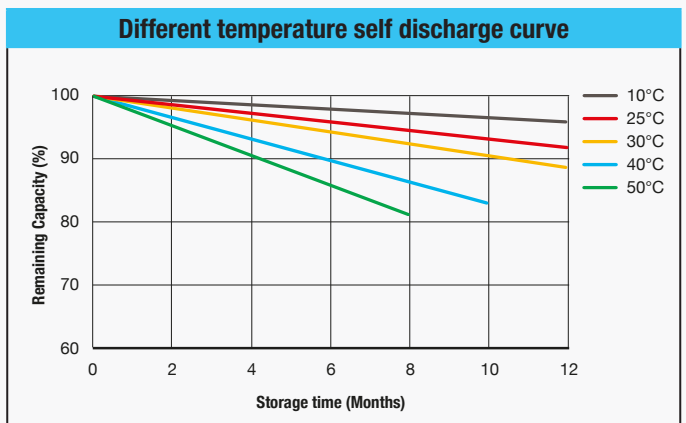
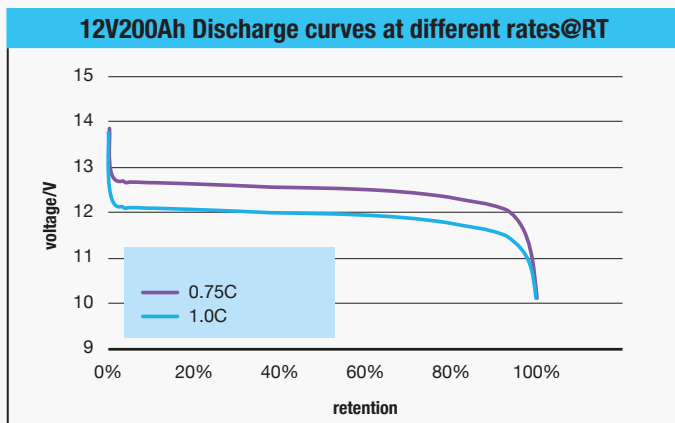
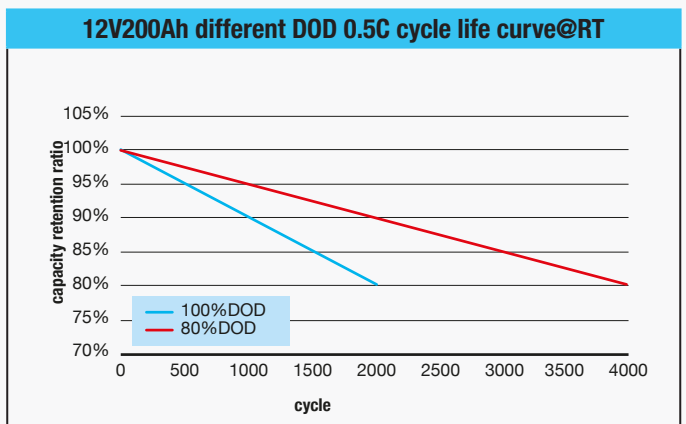
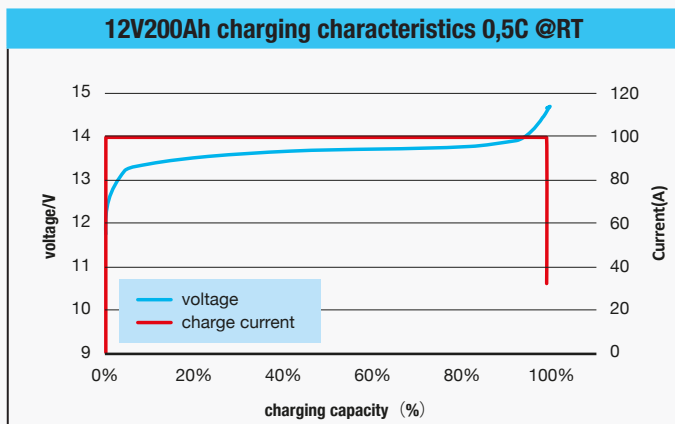
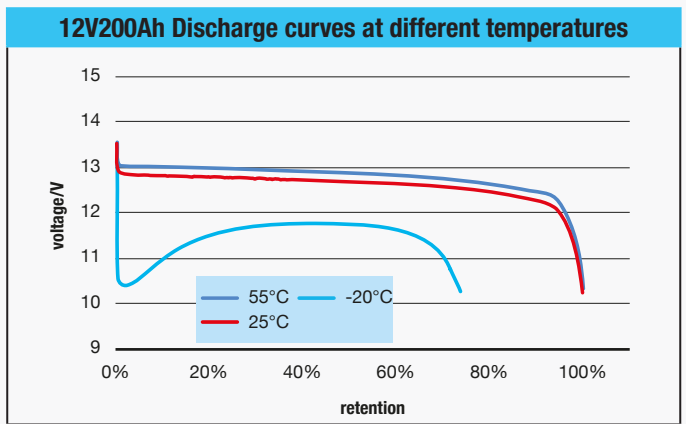
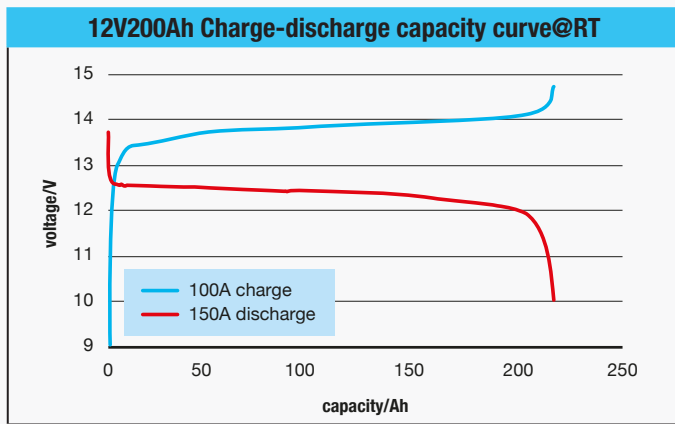


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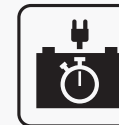
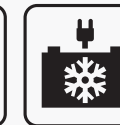
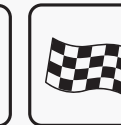
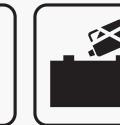
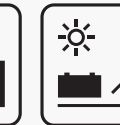
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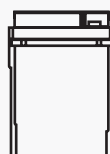
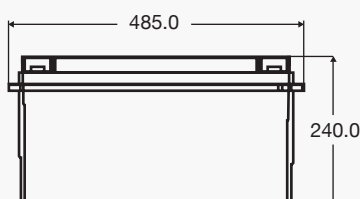
# EV2500 Marine & Leisure Li-ion Battery 12.8 V – 200 Ah – 2500 Wh

## BLUETOOTH AND INTEGRATED HEATER



**UN38.3** **UK** **CA** **CE**

-   
**ULTRA LIGHT WEIGHT**
-   
**EXTREME CYCLE LIFE**
-   
**FAST RECHARGE**
-   
**COLD WEATHER RECHARGE**
-   
**READY TO USE**
-   
**MAINTENANCE FREE**
-   
**SOLAR PANEL CHARGE**



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