

# EV1300-24 - PRODUCT DATA SHEET

## Marine & Leisure Li-ion Battery 25.6 V – 50 Ah – 1300 Wh

### BLUETOOTH AND INTEGRATED HEATER

#### Electrical specifications

Nominal voltage	25.6 V
Nominal capacity	50 Ah
Rated energy	1300 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	No

\* Standard charge @25°C

#### Discharge specifications

Application	Equipment
Max discharge (continuous)	50 A (1 C)
Peak Discharge	80 A @ 2s
Discharge temperature range	-20 °C to 60 °C

#### Charge specifications

Charge voltage range	27.4 – 29.2 V
Max charge voltage	29.2 V
Float voltage	27.6 V
Max charge current	50 A
Charge temperature range	-20 °C to 45 °C

#### Standard charge (recommended)

Charge method	CC-CV
Charge current	15 A (0.3 C)
Charge voltage	29.2 V
Cut-off current	2.5 A (0.05 C)

#### Mechanical specifications

Dimensions (LxWxH)	307x170x216 mm
Weight	12.3 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

#### 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



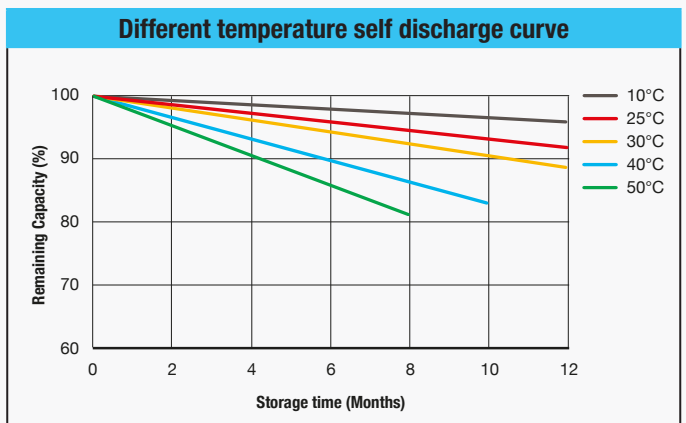
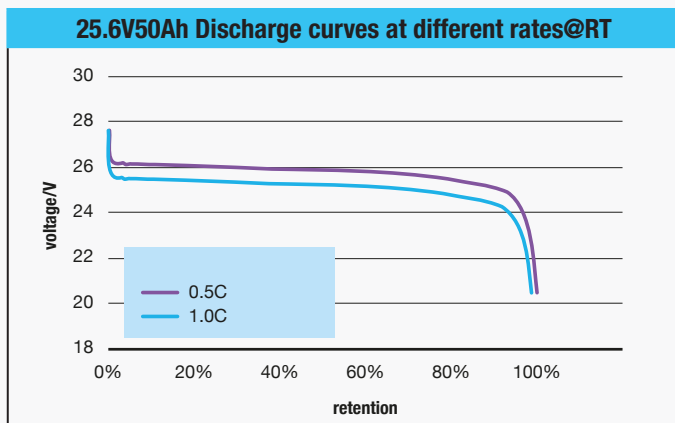
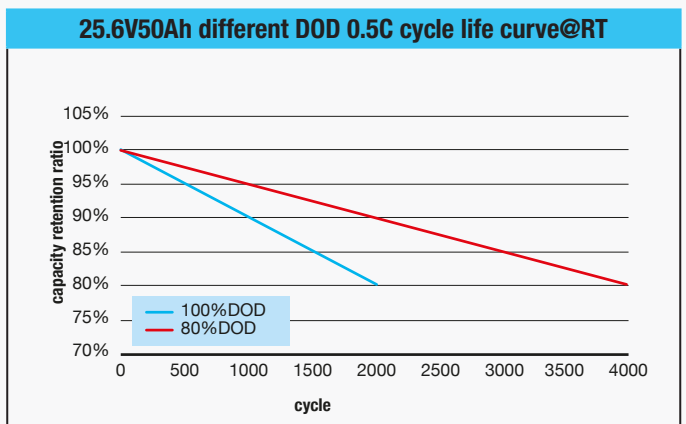
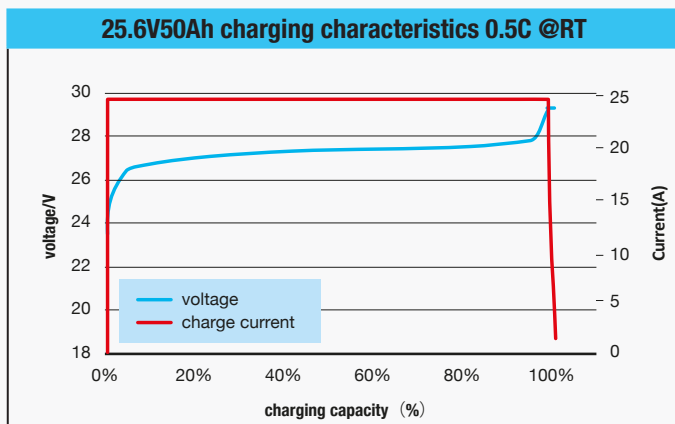
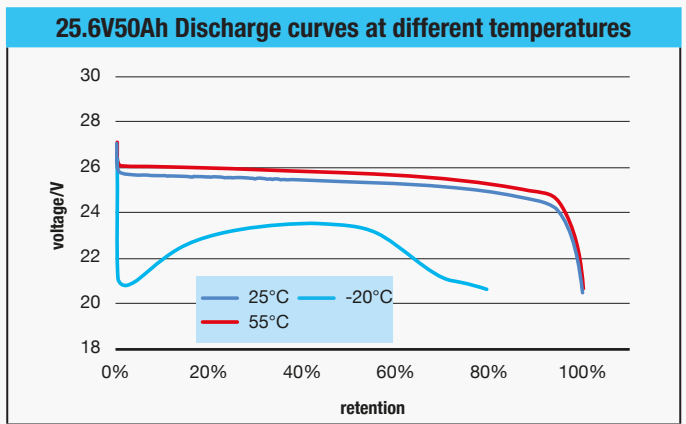
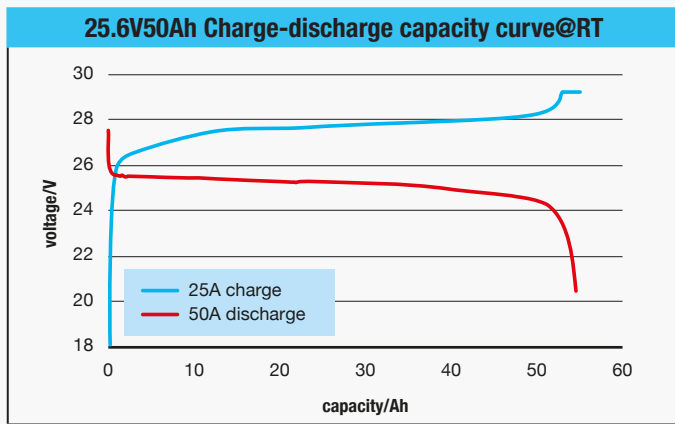
Exide Li-Ion Battery Monitor

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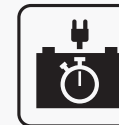
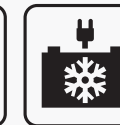
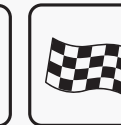
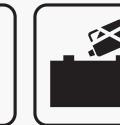
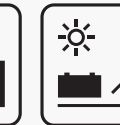
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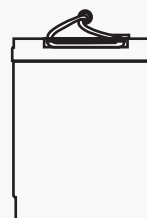
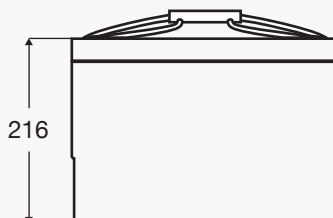
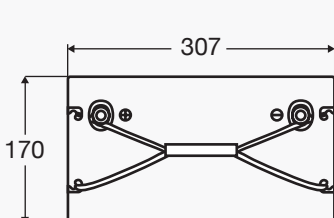
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## BLUETOOTH AND INTEGRATED HEATER



**UN38.3**  

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



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