

EV2500 - 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 year |

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

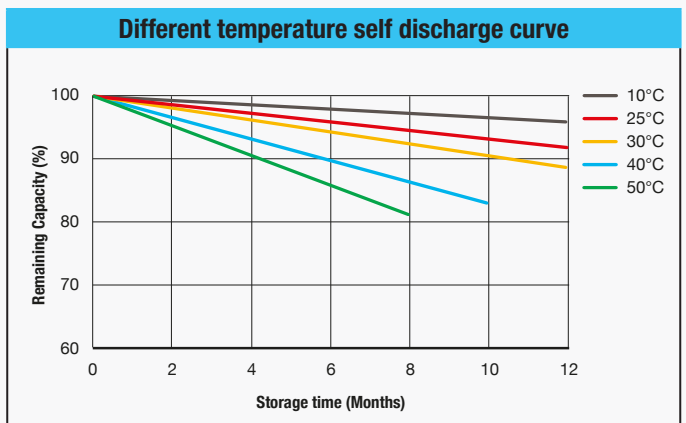
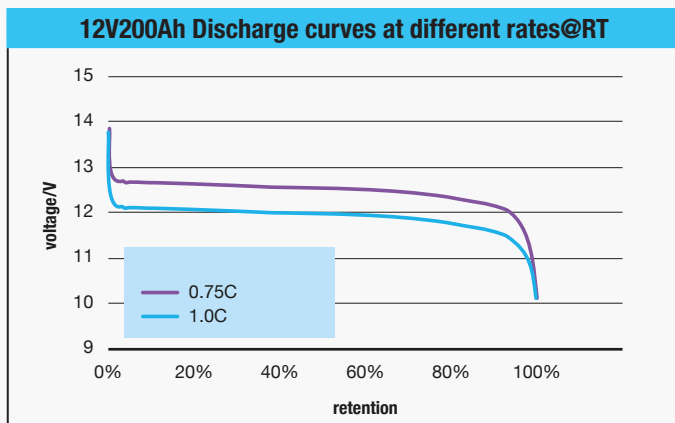
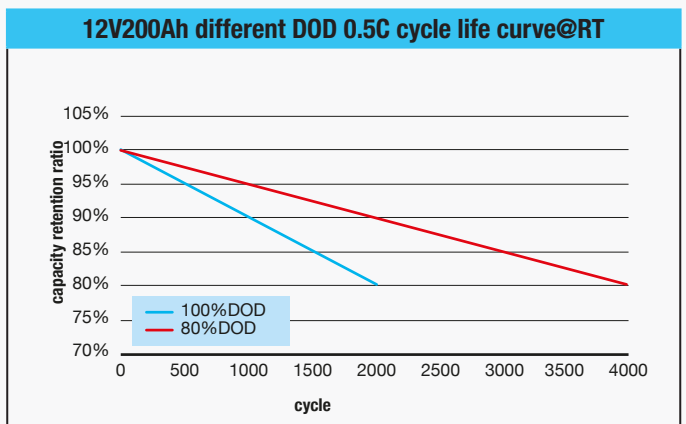
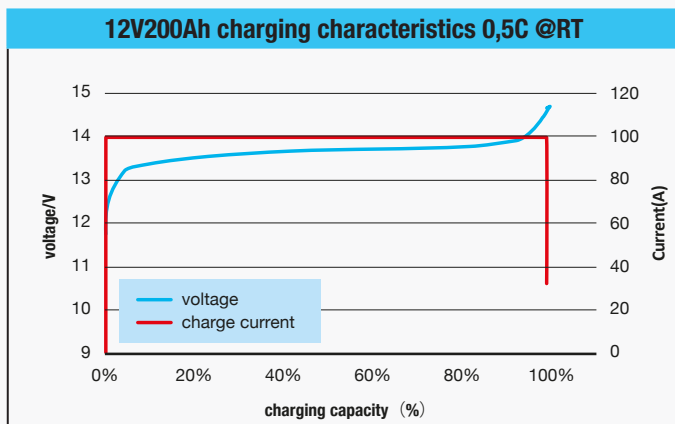
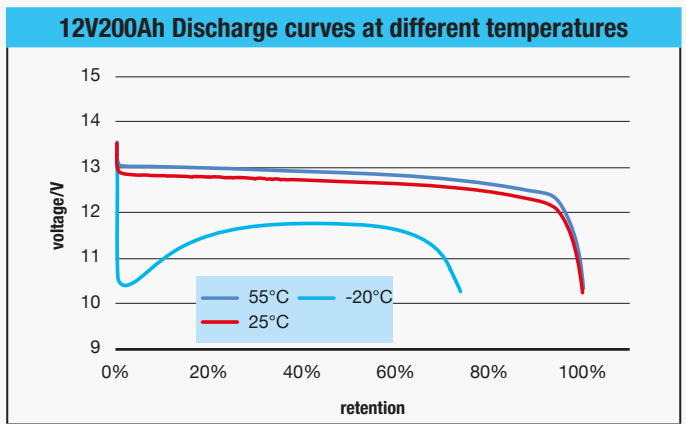
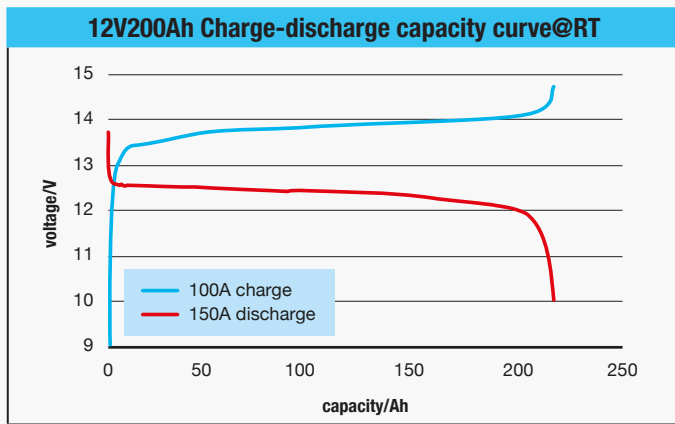


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EV2500 Marine & Leisure Li-ion Battery 12.8 V – 200 Ah – 2500 Wh

BLUETOOTH AND INTEGRATED HEATER



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



ULTRA LIGHT WEIGHT



EXTREME CYCLE LIFE



FAST RECHARGE



COLD WEATHER RECHARGE



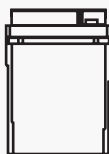
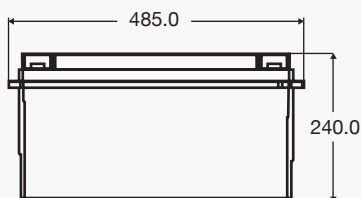
READY TO USE



MAINTENANCE FREE



SOLAR PANEL CHARGE



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