BATTERY
LITHIUM-IRON-PHOSPHATE

LiFePO4
12.8V 100Ah

INDEX B0034

PARAMETERS	
Nominal voltage	12.8 V
Nominal capacity	100Ah
Energy	1280 Wh
Self-discharge	<3% / month
Cells	3.2V
Weight	10 kg
Dimension	260 × 168 × 209 mm

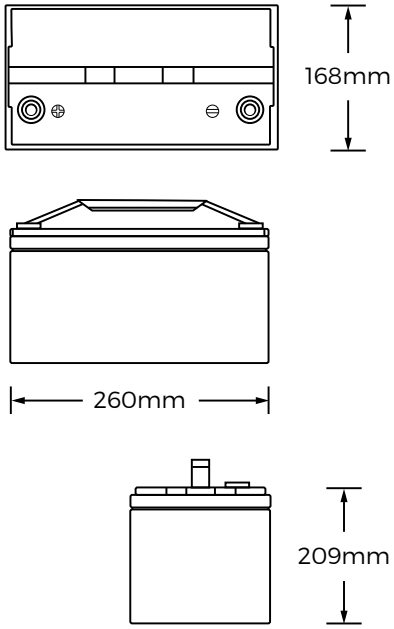
DISCHARGE PARAMETERS	
Max. continuous discharge current	150A
Discharge cut-off voltage	≥10 V
Restoration voltage	>11,2 V

CHARGING PARAMETERS	
Recommended charging current	20A
Max. charging current	100A
Recommended charging voltage	≤14,6 V
Vol. of charge interruption	<14,6 V
Charge restoration voltage	>14 V

BMS PROTECTION SYSTEM	
Cut-off charging voltage	≤ 14,6V
Cut-off discharge voltage	≥ 10V
Excitation voltage	>11V
Cut-off charging/discharging current	155A
Cut-off temperature	65°C
Excitation temperature	<55°C
Short-circuit protection	200~600μs
Charge lock at <0°C temp.	Yes

TEMPERATURE PARAMETERS	
Discharge temp.	-20°C ~ 60°C
Charging temp.	0°C ~ 45°C
Storage temp.	-5°C ~ 35°C

EXTERNAL DIMENSIONS



Parameters may vary depending on the application. All parameters are subject to change without prior notice to the user. These data are for illustrative purposes only. For clarification and up-to-date information, please contact us.

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FEATURES AND BENEFITS

- **6500 cycles at up to 80% discharge**
- **Optimized size**
- **Built-in overvoltage protection (BMS)**
- **Fast charging**
- **Extreme thermal resistance**
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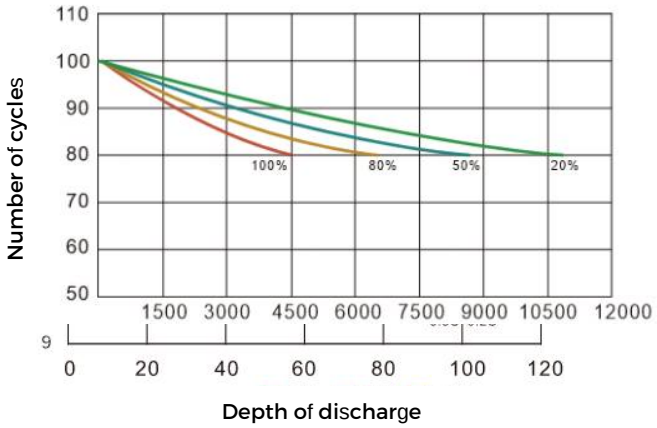
- **Low weight**
- **Heating mat***
  Allowing charging and discharging in sub-zero temperatures

Battery life in cyclic operation at 25°C



APPLICATION

- Campers
- Yachts
- Caravans
- PV energy banks
- Remote monitoring
- UPS emergency power systems

ADDITIONAL ACCESSORIES

- **Heating mat***
- **Bluetooth**
- **BMS**

WARNINGS

- DO NOT short circuit, crush or disassemble
- DO NOT heat or burn
- DO NOT immerse in any liquid
- Store at a charge level of not less than 50%.
  Recharge every 3 months.
- The storage area should be cool, dry and ventilated.

* During charging when the cell temperature is lower than 0 degrees, the heating function will start.
When the temperature is higher than +10 degrees, the heating function will stop.
The heating mat can be used at temperatures down to -20 degrees. The mat works with a charger or solar panels.