BATTERY
LITHIUM-IRON-PHOSPHATE

LiFePO4
12.8V 100Ah

INDEX B0096



PARAMETERS

Nominal voltage	12.8 V
Nominal capacity	100Ah
Energy	1280 Wh
Self-discharge	<3% / month
Cells	3.2V
Weight	9,6 kg
Dimension	260x168x211 mm

DISCHARGE PARAMETERS

Max. continuous discharge current	100A
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

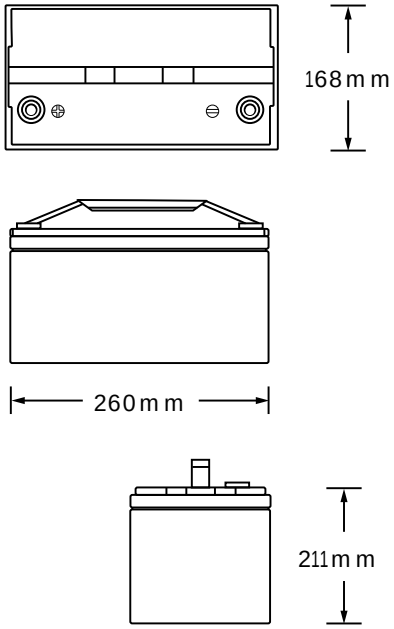
BMS PROTECTION SYSTEM

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



Images are for illustrative purposes only. The actual appearance of the product may differ slightly from the images shown.

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.

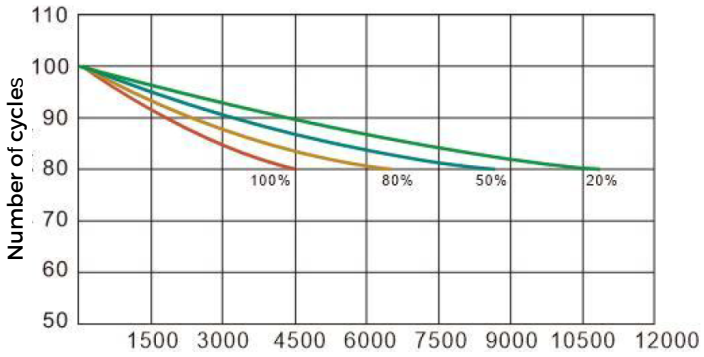
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FEATURES AND BENEFITS

- **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**

Battery life in cyclic operation at 25°C



APPLICATION

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

ADDITIONAL ACCESSORIES

- **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.

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