

# BATTERY

## LITHIUM-IRON-PHOSPHATE

**MAXX****LiFePO<sub>4</sub>**  
**12.8V 100Ah**

### PARAMETERS

|                  |                    |
|------------------|--------------------|
| Nominal voltage  | 12.8 V             |
| Nominal capacity | 100Ah              |
| Energy           | 1280 Wh            |
| Self-discharge   | <3% / month        |
| Cells            | 3.2V               |
| Weight           | 9,7 kg             |
| Dimension        | 260 × 168 × 211 mm |

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### 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   |

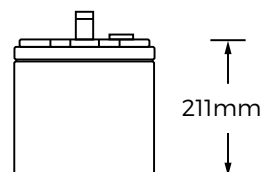
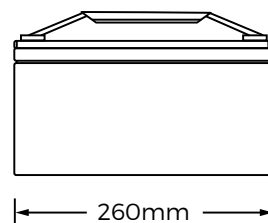
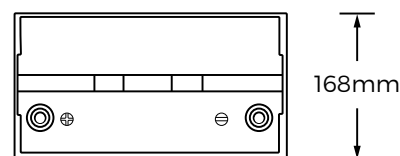
### BMS PROTECTION SYSTEM

|                                      |           |
|--------------------------------------|-----------|
| 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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# MAXX

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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
- Extreme thermal resistance
- Low weight

### APPLICATION

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

### ADDITIONAL ACCESSORIES

- 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.

