

PB-Li 12-100 LT

LT Low Temperature
With built-in heater


Bluetooth

**POWER
BOOST**



high power **battery series**

LFP LiFePO₄
LITHIUM BATTERY



ELECTRICAL SPECIFICATIONS

| | |
|-----------------------------|--------------------------------|
| Nominal Voltage | 12,8 V |
| Nominal Capacity | 100 Ah |
| Open Circuit Volt. @ 100% | 13,6 V |
| Energy | 1280 Wh |
| Internal Resistance | <20 mΩ |
| Consumption BMS | <100 μA |
| Self Discharge | < 3% / month |
| Maximal Batteries in Series | Series connection not possible |

DISCHARGING

| | |
|------------------------------|-------------|
| Max. cont. Discharge Current | 120 A |
| Peak Discharge Current | 300 A (3 s) |
| BMS Discharge Cut-Off | 150 A |
| Rec. Low Voltage Cut-Off | 11 V |
| BMS Cut-Off | 10,4 V |
| Reconnect Voltage | 11,2 V |

TEMPERATURES

| | |
|-----------------------|--------------|
| Discharge Temperature | -20 to +60°C |
| Charge Temperature | -20 to +60°C |
| Storage Temperature | 0 to 60 °C |

COMMUNICATION

Bluetooth 4.0 with App Android/iOS

COMPLIANCE

| | |
|-------------------------|--------------------------------|
| Certificates | CE; UN38.3 UL1642 & IEC2133 |
| Shipping Classification | UN 3480, Class 9 |

MECHANICAL SPECIFICATIONS

| | |
|-----------------------|---------------------------------|
| Dimensions (LxWxH) | 353 x 175 x 190 mm |
| Weight | 12,0 kg |
| Terminal Type | Automotive Post |
| Case Material | ABS |
| Enclosure Protection | IP 56 |
| Cell Type / Chemistry | Cylindrical/LiFePO ₄ |

CHARGING

| | |
|------------------------|------------------|
| Recomm. Charge Current | 50 A |
| Max. Charge Current | 100 A |
| BMS Charge Cut-Off | 250 A (±50 A) |
| Recomm. Charge Voltage | 14,4 V (± 0,1 V) |
| BMS Voltage Cut-Off | 14,6 V |

HEATING SYSTEM

LiFePO₄ batteries of the LT series have an integrated battery heater, which is supplied exclusively by an external power source (charger, generator, etc.). This makes it possible to charge the LiFePO₄ battery even at minus temperatures.

If the battery temperature is below 0°C, the battery heater is switched on first when an external power source is applied and heats the battery cells to 5°C to protect them from destruction. The heater is then switched off and the battery is charged normally.


A MÜLLER
Industriebatterien
Stromversorgungssysteme

A. Müller GmbH
Tholeyer Straße 32
D-66620 Nonnweiler-Primstal
Mail: info@batterien-mueller.de

