

PB-Li 12-120 LT L4



high power **battery series**

LFP LiFePO₄
LITHIUM BATTERY



ELECTRICAL SPECIFICATIONS

| | |
|---------------------------|-----------------|
| Nominal Voltage | 12,8 V |
| Nominal Capacity | 120 Ah |
| Open Circuit Volt. @ 100% | 13,3 V |
| Energy | 1536 Wh |
| Internal Resistance | < 50 mΩ |
| Self Discharge [@ 25°C] | < 3 % / month |
| Max. Batteries in Series | SC not possible |

DISCHARGING

| | |
|------------------------------|------------------|
| Max. cont. Discharge Current | 150 A |
| Peak Discharge Current | 300 A (30 s) |
| BMS Discharge Cut-Off | 600 A (3 s) |
| BMS Cut-Off | 10,4 V |
| Reconnect Voltage | 11,2 V |
| Cycles [@ 25°C] | ≥ 3000 @ 80% DoD |

TEMPERATURES

| | |
|-----------------------|---------------|
| Discharge Temperature | -20 to +75°C |
| Charge Temperature | -30 to +65 °C |
| Storage Temperature | 0 to +40 °C |

COMMUNIKATION

Bluetooth 4.0 with App Android / iOS

COMPLIANCE

| | |
|-------------------------|----------------------------------|
| Certificates | CE; UN38.3; UL1642 & IEC62619 |
| Shipping Classification | UN 3480, Klasse 9 |

MECHANICAL SPECIFICATIONS

| | |
|-----------------------|-------------------------------|
| Dimensions (LxWxH) | 313 x 175 x 190 mm |
| Weight | 13,5 kg |
| Terminal Type | Automotive Post |
| Case Material | ABS |
| Enclosure Protection | IP 56 |
| Cell Type / Chemistry | Prismatic LiFePO ₄ |
| On/off button | snap-in function |

CHARGING

| | |
|------------------------|--------|
| Recomm. Charge Current | 50 A |
| Max. Charge Current | 150 A |
| Recomm. Charge Voltage | 14,6 V |
| BMS Voltage Cut-Off | 15 V |

HEATING SYSTEM

LiFePO₄ batteries from the LT series come equipped with an integrated battery heater. This heater is exclusively powered by an external source, such as a charger or generator. As a result, it becomes possible to charge the LiFePO₄ battery even in sub-zero temperatures. When the battery temperature drops below 0°C, the battery heater activates upon connecting an external power source. It warms the battery cells to 5°C, safeguarding them from potential damage. Once the desired temperature is reached, the heater automatically switches off, allowing the battery to be charged normally.

MEMBER OF SUNLIGHT GROUP

A. MÜLLER
GmbH

A. Müller GmbH
Tholeyer Straße 32
D-66620 Nonnweiler-Primstal
Mail: service@powerboost.de



LiFePo₄

