

PB-Li 12-185 LT L5



high power **battery series**

LFP LiFePO₄ LITHIUM BATTERY



ELECTRICAL SPECIFICATIONS

Nominal Voltage	12,8 V
Nominal Capacity	185 Ah
Open Circuit Volt. @ 100%	13,3 V
Energy	2368 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)	353 x 175 x 190 mm
Weight	21 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

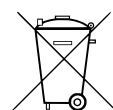
LiFePO₄ batteries from the LT series come equipped with an integrated battery heater. This heater is exclusively powered by an external source, such as a charger or generator. As a result, it becomes possible to charge the LiFePO₄ battery even in sub-zero temperatures. When the battery temperature drops 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

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LiFePO₄