

PB-Li 12-100 LT

Rev.-Nr.: 2.0 1|2023



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%	13,3 V
Energy	1280 Wh
Internal Resistance	< 50 mΩ
Self Discharge	< 3% / month
Max. Batteries in Series	Series connection not possible

DISCHARGING

Max. cont. Discharge Current	120 A
Peak Discharge Current	150 A (30 s)
BMS Discharge Cut-Off	600 A (3 s)
BMS Cut-Off	10,4 V
Reconnect Voltage	11,6 V

TEMPERATURES

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

COMMUNICATION

Bluetooth 4.0 with App Android/iOS

COMPLIANCE

Certificates	CE; UN38.3 UL1642 & IEC62133
Shipping Classification	UN 3480, Class 9

MECHANICAL SPECIFICATIONS

Dimensions (LxWxH)	353 x 175 x 190 mm
Weight	12,5 kg
Terminal Type	Automotive Post
Case Material	ABS
Enclosure Protection	IP 56
Cell Type / Chemistry	Prismatic/LiFePO ₄

CHARGING

Recomm. Charge Current	50 A
Max. Charge Current	100 A
Recomm. Charge Voltage	14,6 V
BMS Voltage Cut-Off	15 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.



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valid from 07/2022

