

PB-Li 12-100D LT



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 [@ 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	11,6 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	11,5 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	100 A
Recomm. Charge Voltage	14,6 V
BMS Voltage Cut-Off	15 V

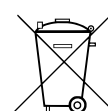
HEATING SYSTEM

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

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LiFePo₄

