

PB-Li 12-100 LT



POWER BOOST

high power **battery series**

LFP LiFePO_4
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 (30 s)
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
Recomm. Charge Voltage	14,6 V
BMS Voltage Cut-Off	15 V

HEATING SYSTEM

LiFePO_4 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 LiFePO_4 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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