

PB-Li 12-105 L3

Rev.-Nr.: 2.0 | 2023



POWER BOOST

high power **battery series**

LFP LiFePO₄
LITHIUM BATTERY



ELECTRICAL SPECIFICATIONS

Nominal Voltage	12,8 V
Nominal Capacity	105 Ah
Open Circuit Volt. @ 100%	13,3 V
Energy	1344 Wh
Internal Resistance	< 50 mΩ
Consumption BMS	< 100 μA
Self Discharge	< 3% / month

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 +60°C
Charge Temperature	0 to +65 °C
Storage Temperature	0 to +40 °C

COMMUNICATION

Bluetooth 4.0 with App Android/iOS
COM Port for Firmware Update

MECHANICAL SPECIFICATIONS

Dimensions (LxWxH)	278 x 175 x 190 mm
Weight	10,2 kg
Terminal Type	Automotive Post
Case Material	ABS
Enclosure Protection	IP 56
Cell Type / Chemistry	Prismatic / LiFePO ₄

CHARGING

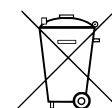
Recomm. Charge Current	50 A
Max. Charge Current	100 A
Recomm. Charge Voltage	14,6 V
BMS Voltage Cut-Off	15 V

COMPLIANCE

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

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LiFePO₄

valid from 07/2022