

PB-Li 12-300

Rev.-Nr.: 2.0 | 2023



POWER BOOST

high power **battery series**

LFP LiFePO₄
LITHIUM BATTERY



ELECTRICAL SPECIFICATIONS

Nominal Voltage	12,8 V
Nominal Capacity	300 Ah
Open Circuit Volt. @ 100%	13,3 V
Energy	3840 Wh
Internal Resistance	≤ 50 mΩ
Self Discharge	< 3% / month
Max. Batteries in Series	4

DISCHARGING

Max. cont. Discharge Current	270 A
Peak Discharge Current	500 A (180 s)
BMS Discharge Cut-Off	800 A (3 s)
BMS Cut-Off	10,4 V
Reconnect Voltage	11,6 V

TEMPERATURES

Discharge Temperature	-20 to +65°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)	353 x 350 x 188 mm
Weight	35 kg
Terminal Type	M8
Case Material	Metal
Enclosure Protection	IP 56
Cell Type / Chemistry	Prismatic / LiFePO ₄

CHARGING

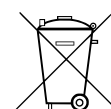
Recomm. Charge Current	50 A
Max. Charge Current	200 A
Recomm. Charge Voltage	14,6 V
BMS Voltage Cut-Off	15 V

COMPLIANCE

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

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LiFePO₄



valid from 01/2023