

PB-Li 12-50

Rev.-Nr.: 3.0 11|2023



POWER BOOST

high power **battery series**

LFP LiFePO_4
LITHIUM BATTERY



ELECTRICAL SPECIFICATIONS

Nominal Voltage	12,8 V
Nominal Capacity	50 Ah
Open Circuit Volt. @ 100%	13,3 V
Energy	614 Wh
Internal Resistance	$\leq 50 \text{ m}\Omega$
Consumption BMS	$< 100\mu\text{A}$
Self Discharge	$< 3\% / \text{month}$
Max. Batteries in Series	4

DISCHARGING

Max. cont. Discharge Current	60 A
Peak Discharge Current	80 A (30s)
BMS Discharge Cut-Off	200 A (2s)
BMS Cut-Off	10,4 V
Reconnect Voltage	11,2 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

MECHANICAL SPECIFICATIONS

Dimensions (LxWxH)	197 x 166 x 176 mm
Weight	7,5 kg
Terminal Type	M6
Torque	9 - 11 Nm
Case Material	ABS
Enclosure Protection	IP 56
Cell Type / Chemistry	Prismatic / LiFePO_4

CHARGING

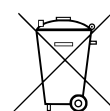
Recomm. Charge Current	25 A
Max. Charge Current	50 A
Recomm. Charge Voltage	14,6 V
BMS Voltage Cut-Off	15,0 V

COMPLIANCE

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

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LiFePO₄



valid from 11/2023