

PB-Li 12-50

Rev.-Nr.: 2.0 1|2023



high power **battery series**

LFP LiFePO₄ 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	≤ 50 mΩ
Consumption BMS	< 100µA
Self Discharge	< 3% / 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 bis +60°C
Charge Temperature	0 bis +65 °C
Storage Temperature	0 bis +40 °C

COMMUNICATION

Bluetooth 4.0 with App Android/iOS

MECHANICAL SPECIFICATIONS

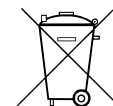
Dimensions (LxWxH)	197 x 166 x 176 mm
Weight	7,5 kg
Terminal Type	M8
Torque	9 - 11 Nm
Case Material	ABS
Enclosure Protection	IP 56
Cell Type / Chemistry	Prismatic / LiFePO ₄

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



LiFePO₄

valid from 01/2023