

PB-Li 12-50



POWER BOOST[®]

high power **battery series**

LFP LiFePO_4 LITHIUM BATTERY



ELECTRICAL SPECIFICATIONS

Nominal Voltage	12,8 V
Nominal Capacity	48 Ah
Open Circuit Volt. @ 100%	13,6 V
Energy	614 Wh
Internal Resistance	<60 mΩ
Consumption BMS	<100μA
Self Discharge	<3% / month
Maximal Batteries in Series	4

DISCHARGING

Max. cont. Discharge Current	50 A
Peak Discharge Current	160 A (<2s)
Rec. Low Voltage Cut-Off	11,5 V
BMS Cut-Off	10 V
Reconnect Voltage	11,2 V

TEMPERATURES

Discharge Temperature	-20 bis 60°C
Charge Temperature	0 bis 45 °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	Cylindrical / LiFePO_4

CHARGING

Recomm. Charge Current	25 A
Max. Charge Current	50 A
Recomm. Charge Voltage	14,4 V
BMS Voltage Cut-Off	15,0 V

COMPLIANCE

Certificates	CE UN38.3 UL1642 & IEC2133
Shipping Classification	UN 3480, Klasse 9

