

PB-Li 12-100 D

Rev.-Nr.: 3.0 | 2024



high power **battery series**

LFP LiFePO₄ LITHIUM BATTERY



ELECTRICAL SPECIFICATIONS

Nominal Voltage	12,8 V
Nominal Capacity	100 Ah
Open Circuit Volt. @ 100%	13,3 V
Energy	1280 Wh
Internal Resistance	<50 mΩ
Consumption BMS	<100 μA
Self Discharge	<3% / month
Max. Batteries in Series	4

DISCHARGING

Max. cont. Discharge Current	150 A
Peak Discharge Current	300 A (30 s)
BMS Discharge Cut-Off	600 A (3 s)
BMS Cut-Off	10,4 V
Reconnect Voltage	11,6 V
Cycles	≥ 3000 @ 80% DoD

TEMPERATURES

Discharge Temperature	-20 to +75°C
Charge Temperature	-5 to +65 °C
Storage Temperature	0 to +40 °C

COMMUNICATION

Bluetooth 4.0 with App Android/iOS

MECHANICAL SPECIFICATIONS

Dimensions (LxWxH)	353 x 175 x 190 mm
Weight	11,5 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

MEMBER OF SUNLIGHT GROUP
A. MÜLLER
GmbH

A. Müller GmbH
Tholeyer Straße 32
D-66620 Nonnweiler-Primstal
Mail: info@batterien-mueller.de



valid from 01/2024