

RD-Li 12-100 D



high power battery series

LFP LITHIUM BATTERY



ELECTRICAL SPECIFICATIONS

Nominal Voltage	12,8 V
Nominal Capacity	100 Ah
Open Circuit Volt. @ 100%	13,6 V
Energy	1280 Wh
Internal Resistance	< 10 mΩ
Consumption BMS	< 100 μA
Self Discharge	< 3 % / month
Maximal Batteries in Series	4

DISCHARGING

Max. cont. Discharge Current	100 A
Peak Discharge Current	200 A (7,5 s ±2,5 s)
BMS Discharge Cut-Off	250 A (±50 A)
Rec. Low Voltage Cut-Off	11 V
BMS Cut-Off	10 V
Reconnect Voltage	11,2 V

TEMPERATURES

Discharge Temperature	-20 bis 60°C
Charge Temperature	0 bis 55°C
Storage Temperature	-5 bis 35°C

COMMUNICATION

Bluetooth 4.0 with App Android / iOS

MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	353 x 175 x 190 mm
Weight	12,0 kg
Terminal Type	Automotive Post
Case Material	ABS
Enclosure Protection	IP 56
Cell Type / Chemistry	Cylindrical / LiFePO ₄

CHARGING

Recomm. Charge Current	50 A
Max. Charge Current	100 A
BMS Charge Cut-Off	250 A (± 50 A)
Recomm. Charge Voltage	14,6 V
BMS Voltage Cut-Off	15,0 V

COMPLIANCE

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

A product of
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