

SÜDBATTERIE

LiFePO₄ *Lithium-Eisenphosphat Batterie*
12.8V 150Ah 1920Wh



EPLF12V150-BT | M
12.8V 150Ah 1920Wh

 Bluetooth



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ELECTRICAL PERFORMANCE

Nominal Voltage	12.8 V
Nominal Capacity	150 Ah
Capacity @ 20A	450 min
Energy	1920 Wh
Resistance	<10 m. Ω @ 50% SOC
Self Discharge	<3% / Month
Cells	Prismatic

CHARGE PERFORMANCE

Recommended Charge Current	30 A
Maximum Charge Current	150 A
Recommended Charge Voltage	14.2 - 14.8 V
BMS Charge Cut-Off Voltage	>15.2 V (3.8V/Cell)
Reconnect Voltage	<14.4 V (3.6V/Cell)
Balancing Voltage	>13.6 V (3.4V/Cell)
Cells in Series	4

DISCHARGE PERFORMANCE

Maximum Continuous Discharge Current	200A
Peak Discharge Current	400 (4s)
BMS Discharge Cut-Off Current	600A $\pm$ 10 A (31ms)
Recommended Low Voltage Disconnect	11.0 V (2.75V/Cell)
BMS Discharge Cut-Off Voltage	<10.0 V (2s) (2.5V/Cell)
Reconnect Voltage	>11.2 V (2.8V/Cell)
Short Circuit Protection	250 ~ 500 μ s

MECHANICAL PERFORMANCE

Dimension (L x W x H)	353 x 175 x 190 mm / 13.9 x 6.9 x 7.5"
Approx. Weight	35.7 lbs (16.2 kg)
Terminal Type	DIN POST
Terminal Torque	80 ~ 100 in-lbs (9 ~ 11 Nm)
Case Material	ABS
Enclosure Protection	IP65

TEMPERATURE PERFORMANCE

Discharge Temperature	-13 ~ 140 °F (-25 ~ 60 °C)
Charge Temperature	32~ 113 °F (0 ~ 45 °C)
Storage Temperature	23 ~ 95 °F (-5 ~ 35 °C)
BMS High Temperature Cut-Off	149 °F (65 °C)
Reconnect Temperature	131 ° (55 °C)

COMPLIANCE

Certifications	CE (battery) UN38.3 (battery)
Shipping Classification	UL1642 & IEC62133 (cells) UN 3480. CLASS 9



UN38.3



RoHS



Lithium



max. 60°

