



FLYBAT

LiFePO₄

LITHIUM IRON PHOSPHATE BATTERY

ELECTRICAL SPECIFICATIONS

Nominal Voltage	12.8 V
Nominal Capacity	150 Ah
Capacity @ 0.2C	>290 min
Energy	1920 Wh
Resistance	30 mΩ
Efficiency	99%
Self Discharge	<3% per Month
Maximum Modules in Series	2

DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	100A
Peak Discharge Current	200 A
PCM Discharge Current Cut-Off	280 A (±50 A)
Recommended Low Voltage Disconnect	11 V
PCM Discharge Voltage Cut-Off	10 V
Reconnect Voltage	12 V
Short Circuit Protection	Yes

TEMPERATURE SPECIFICATIONS

Discharge Temperature	-4 to 140 °F (-20 to 60 °C)
Charge Temperature	32 to 131 °F (0 to 55 °C)
Storage Temperature	-4 to 140 °F (-20 to 60 °C)
PCM High Temperature Cut-Off	176 °F (80 °C)

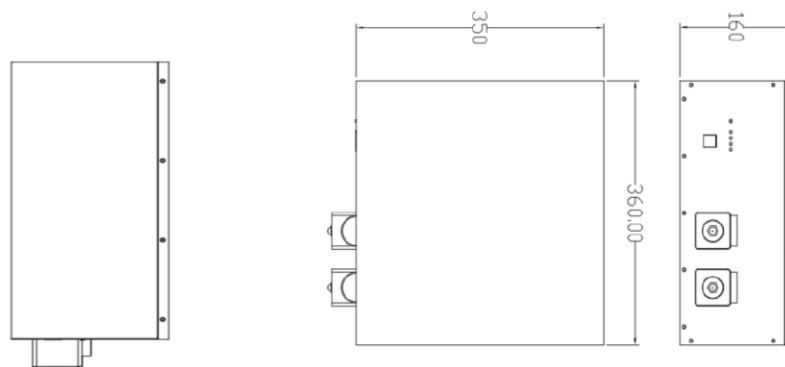
DIMENSIONAL SPECIFICATIONS

MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	360 x 350 x 160 mm
Weight	22.7 kg
Terminal Type	M8
Terminal Torque	80 - 100 in-lbs (9 - 11 N-m)
Case Material	ABS
Enclosure Protection	IP56
Cell Type - Chemistry	LiFePO ₄

CHARGE SPECIFICATIONS

Recommended Charge Current	30 A
Maximum Charge Current	100 A
PCM Charge Current Cut-Off	280 A (±50 A)
Recommended Charge Voltage	14.2 V - 14.6 V
PCM Charge Voltage Cut-Off	15.6 V
Reconnect Voltage	15.2 V
Balancing Voltage	14.4 V





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PERFORMANCE CHARACTERISTICS

