















FLY/B/AT

LifePO4

LITHIUM IRON PHOSPHATE BATTERY



Advantages of the FLYBAT lithium iron phosphate (LiFePO4) batteries:

- 5 year manufacturer's warranty
- The safest technology, without the risk of fire or explosion
- Integrated BMS
- Long service life
- Steadily improving storage capacity
- 99 % efficient
- High stability even under extreme loads
- No memory effect no need for full charge and discharge cycles
- High performance even under extreme conditions
- Deep and steady discharge and charging efficiency
- Small size and light weight

ELECTRICAL SPECIFICATIONS				
Nominal Voltage	12.8 V	Resistance	50 mΩ	
Nominal Capacity	50Ah	Efficiency	99%	
Capacity @ 20A	120 min	Self Discharge	<3% per Month	
Energy	640 Wh	Maximum Modules in Series/parallel	4/4	

MECHANICAL SPECIFICATIONS				
	Length	197 mm		
Dimensions	Width	166 mm		
	Height	173 mm		
Weight		6.7 kg		
Terminal Type		M8		
Terminal Torque		9 - 11 N-m		
Case Material		ABS		
Enclosure Protection		IP56		
Chemistry		LiFePO ₄		

	4
TEMPERATURE SPECIFICATIONS	
Discharge Temperature	-20 to 60 °C
Charge Temperature	0 to 55 °C
Storage Temperature	-20 to 60 °C
PCM High Temperature Cut-Off	2° 08

CHARGE SPECIFICATIONS	
Recommended Charge Current	25 A
Maximum Charge Current	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

DISCHARGE SPECIFICATIONS		
Maximum Continuous Discharge Current	50 A	
Peak Discharge Current	100 A	
PCM Discharge Current Cut-Off	170 A	
Recommended Low Voltage Disconnect	11 V	
PCM Discharge Voltage Cut-Off	8 V	
Reconnect Voltage	9.2 V	
Short Circuit Protection	Yes	











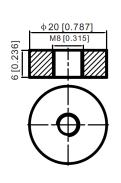


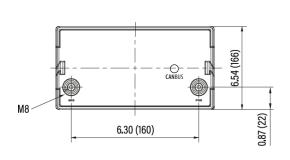


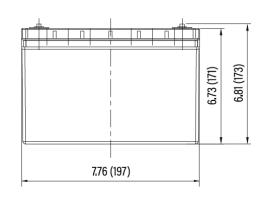
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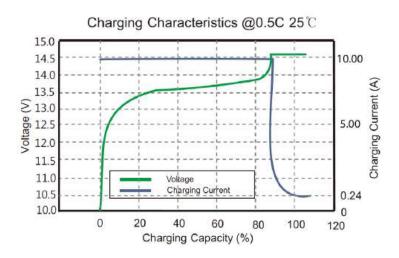
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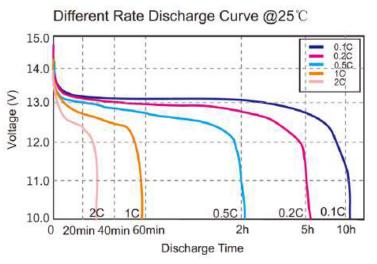
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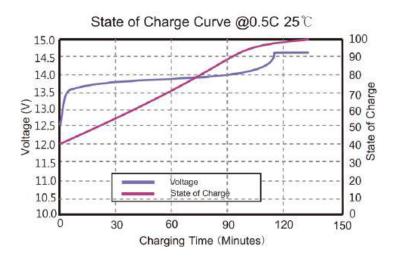


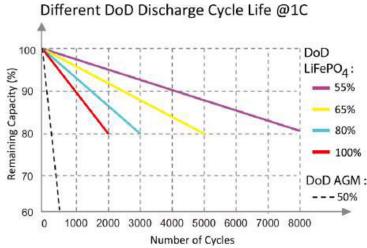












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