













FLY/B/AT

LifePQ4

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	

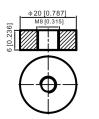
MECHANICAL SPECIFICATIONS				
	Length	197 mm		
Dimensions	Width	166 mm		
	Height	173 mm		
Weight		6.7 kg		
Terminal Type		M8		
Terminal Torque		9 - 11 N-m		
Case Material		ABS		
Enclosure Protection		IP56		
Chemistry		LiFePO4		

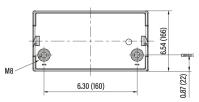
TEMPERATURE SPECIFICATIONS				
Discharge Temperature	-20 to 60 °C			
Charge Temperature	0 to 55 °C			
Storage Temperature	-20 to 60 °C			
PCM High Temperature Cut-Off	2° 08			

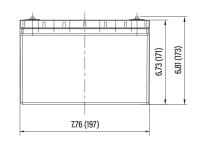
CHARGE SPECIFICATIONS				
Recommended Charge Current	25 A			
Maximum Charge Current	50 A			
Recommended Charge Voltage	14.2 V - 14.6 V			
PCM Charge Voltage Cut-Off	15.6 V			
Reconnect Voltage	15.2 V			
Balancing Voltage	14.4 V			

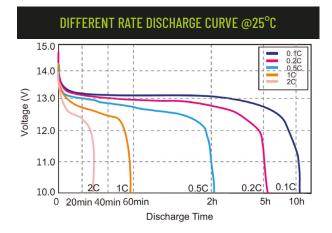
DISCHARGE SPECIFICATIONS	
Maximum Continuous Discharge Current	50 A
Peak Discharge Current	100 A
PCM Discharge Current Cut-Off	170 A
Recommended Low Voltage Disconnect	11 V
PCM Discharge Voltage Cut-Off	8 V
Reconnect Voltage	9.2 V
Short Circuit Protection	Yes

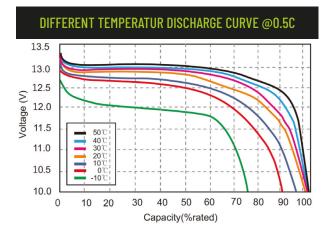
DIMENSIONAL SPECIFICATIONG

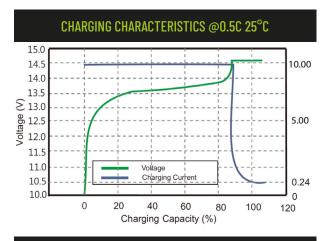


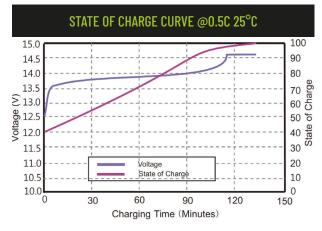


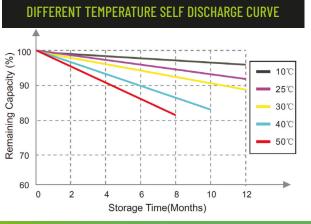


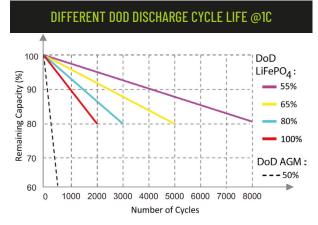












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