















FLY/B/A/T

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	25.6 V	Resistance	≤60 mΩ @ 50% SOC	
Nominal Capacity	50 Ah	Efficiency	99%	
Capacity @ 25A	280 min	Self Discharge	<3% per Month	
Energy	1280 Wh	Maximum Modules in Series/parallel	0/4	

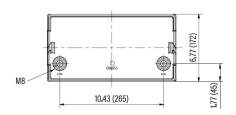
MECHANICAL SPECIFICATIONS				
	Length	329 mm		
Dimensions	Width	172 mm		
	Height	223 mm		
Weight		13,2 kg		
Terminal Type		M8		
Terminal Torque		9 - 11 N-m		
Case Material		ABS		
Enclosure Protection	1	IP56		
Chemistry		LiFePO ₄		

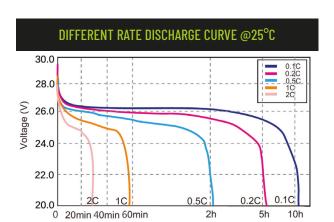
TEMPERATURE SPECIFICATIONS				
Discharge Temperature	-20 to 60 °C			
Charge Temperature	0 to 55 °C			
Storage Temperature	-20 to 60 °C			
BMS High Temperature Cut-Off	2° 08			

CHARGE SPECIFICATIONS	
Recommended Charge Current	2.5 A - 25 A
Maximum Charge Current	50 A
Recommended Charge Voltage	28.4 V - 29.2 V
BMS Charge Voltage Cut-Off	31.2 V
Reconnect Voltage	30.4 V
Balancing Voltage	28.8 V

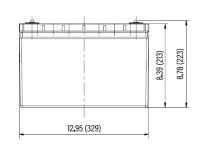
DISCHARGE SPECIFICATIONS	
Maximum Continuous Discharge Current	50 A
Peak Discharge Current	100 A
BMS Discharge Current Cut-Off	150 A
Recommended Low Voltage Disconnect	22 V
BMS Discharge Voltage Cut-Off	16 V
Reconnect Voltage	20 V
Short Circuit Protection	Yes

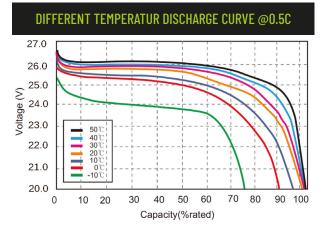
DIMENSIONAL SPECIFICATIONG

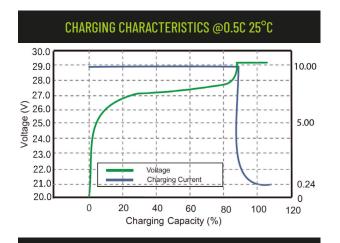


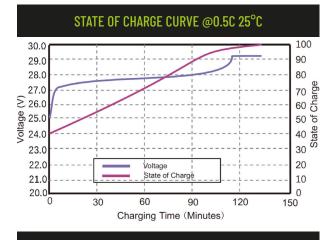


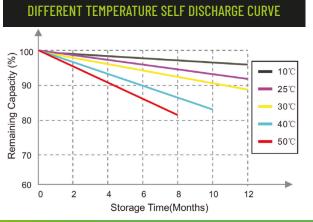
Discharge Time

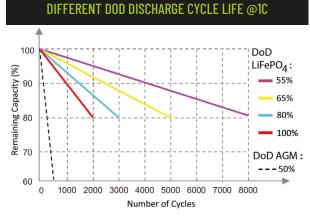












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