

# IBS-Lilon50

# 12V 50Ah LiFePO4 Battery



Recommended Charge Current	10A-25A
Maximum Charge Current	50A
Charge Current (-20 to -10 °C)	≤0.05C
Recommended Charge Voltage	14.2V - 14.6V
BMS Charge Voltage Cut-Off	15V (3.75±0.05vpc, 0.5~1.5s)
Reconnect Voltage	14.6V (3.65±0.05vpc)

## DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	50A
Peak Discharge Current	100A (<5s)
BMS Discharge Current Cut-Off	150A (±10A, 50-150ms)
Recommended Low Voltage Disconnect	10V
BMS Discharge Voltage Cut-Off	8.4V (2.1±0.1vpc, 50~150ms)
Reconnect Voltage	9.2V (2.3±0.1vpc)

## TEMPERATURE SPECIFICATIONS

Discharge Temperature	-20 to 60°C (-4 to 140 °F)
Charge Temperature	0 to 45°C (32 to 113 °F)
Storage Temperature (1month)	-20 to 60°C (-4 to 140 °F)
Storage Temperature (3months)	-20 to 45°C (-4 to 113 °F)
Storage Temperature (6months)	-20 to 25°C (-4 to 77 °F)

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## ELECTRICAL SPECIFICATIONS

Model	IBS-LiIon50
Nominal Voltage	12.8V
Nominal Capacity	50Ah
Energy	640Wh
Self Discharge	<3%/month
Series or Parallel Connection	4pcs in series or parallel

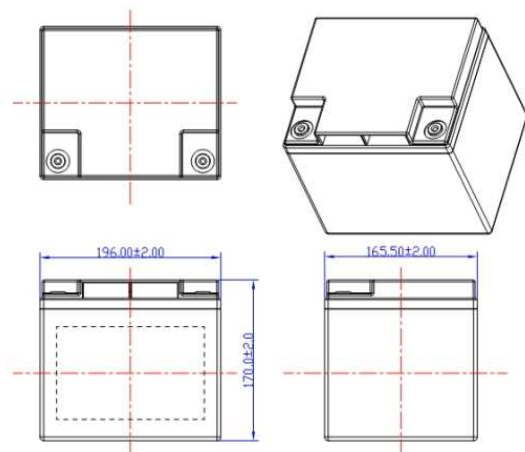
## MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	197x165x170mm
Weight	7.5kg
Terminal Type	M8
Case Material	ABS
Enclosure Protection	IP56
Cell Type - Chemistry	Cylindrical
Chemistry	LiFePO4

## COMPLIANCE SPECIFICATIONS

Certifications	CE, UN38.3, MSDS
Shipping Classification	UN3480, Class 9

## DIMENSION SPECIFICATION



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## PERFORMANCE CHARACTERISTICS

