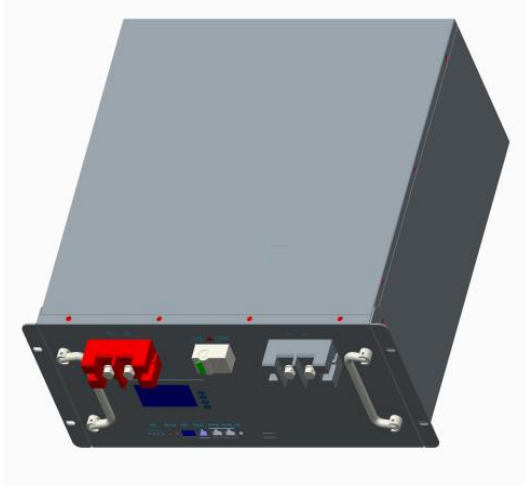


## BR-48105A

## 51.2V100Ah LiFePO4 Battery



### ELECTRICAL SPECIFICATIONS

Model	BR-48105A
Nominal Voltage	51.2V
Nominal Capacity	105Ah
Energy	5376Wh
Self Discharge	<3%/month
Series or Parallel Connection	16S1P

### MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	440*435*222mm (17.3x17.1x8.74")
Weight	54.5kg (120.1 lbs)
Communication Interface	RS485 (Optional)
Case Material	Metal
Enclosure Protection	IP54
Cell Type - Chemistry	prismatic
Chemistry	LiFePO4

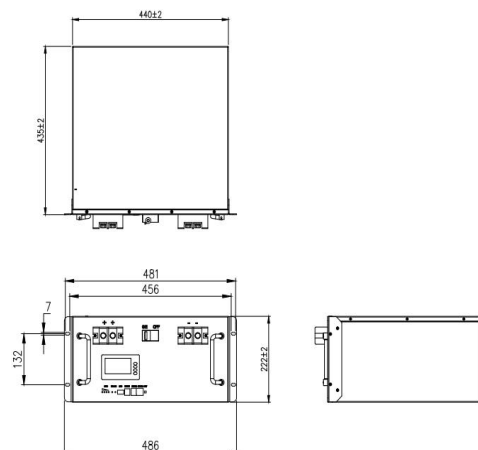
### COMPLIANCE SPECIFICATIONS

Certifications	CE (pack), UN3480/MSDS (cell)
Shipping Classification	UN3480, Class 9

### Applicable to

Home energy storage, backup power supply

### DIMENSION SPECIFICATION



### CHARGE SPECIFICATIONS

Recommended Charge Current	10A-60A
Maximum Charge Current	100A
Charge Current (-20 to -10 °C)	≤0.05C
Recommended Charge Voltage	56V-57.6V
BMS Charge Voltage Cut-Off	57.6V (3.75±0.025vpc)
Reconnect Voltage	54.6V (3.34 ±0.05vpc)

### DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	100A
Peak Discharge Current	105A (<5s)
BMS Discharge Current Cut-Off	105A
Recommended Low Voltage Disconnect	45V
BMS Discharge Voltage Cut-Off	43.2V (2.5±0.05vpc)
Reconnect Voltage	51.2V (2.9±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)