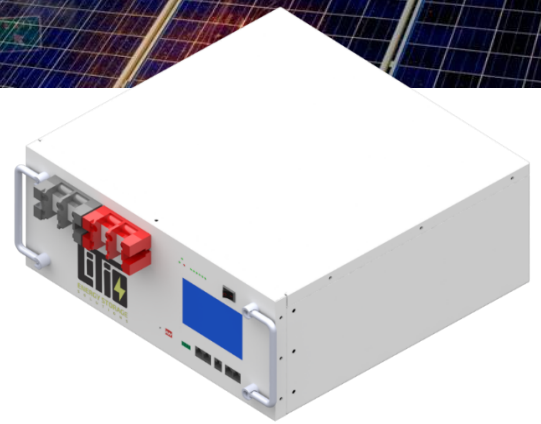




## LT-R51100 Lithium Battery

LT-R series battery packs are Rack type residential and commercial lithium batteries, designed for multiple applications. Using our battery technology, you can easily communicate with different inverters to save your electrical bill.

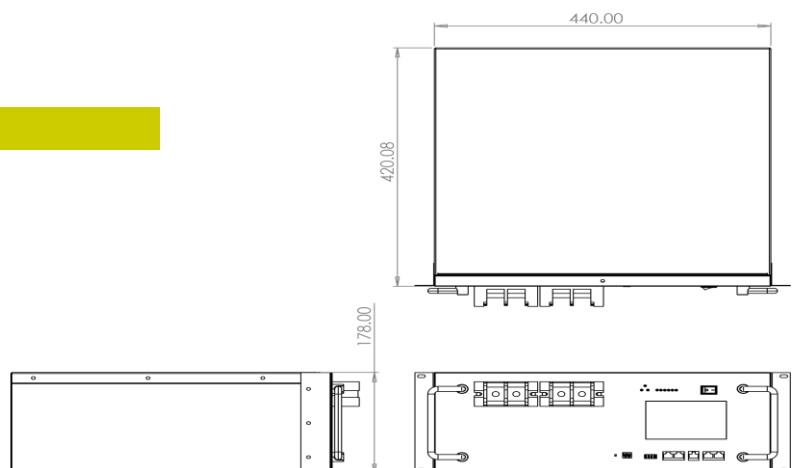


## Benefits of Lithium

- Safe and reliable
- 6000+cycle life, 5 years real manufacturer warranty
- Compatible with different inverters in the market
- Compact and modular design for easy installation
- Remote update, one clicks on/off, dual protection

## Certifications and standards Products

1. ISO 9001:2015
2. ISO 45001:2018
3. ISO 14001:2015
4. UL1973(cell), "Pack in process"
5. IEC62619(cell), "Pack in process"
6. UN38.3



Nominal Characteristic	LT-R51100
Nominal Voltage	51.2V
Nominal Capacity	100Ah(25±2°C,0.2C)
Nominal Energy	5120Wh
Battery chemistry	LiFePO <sub>4</sub>
Gravimetric Energy Density	119Wh/Kg
Dimensions L* W*H	440*420*178 (±2) mm
Reference Weight	43 Kg
Support	Color touch screen BT mobile APP WIFI monitoring (optional)
Scalability	up 15 pcs pack in parallel and parallel communication
Balancer	Active (5A)
Communication protocol	CAN/RS485/RS232
Appearance color (Customizable)	White
Cycle life	≥6000 cycles (25°C ,0.5C,90% DOD)

## Technical Data

+961 70 931 904

Parameter		
Voltage (V)	Operating	43.2 ~ 57.6
	Recommend	48 ~ 56
Charge Method		CC/CV
Current(A)	Max.	Charge: 110 / Discharge: 110 Charge: 50 / Discharge: 50 150@10sec
	Recommend	
	Peak	
Short Circuit Protection		1500A, External short circuit ≤200uS
Recommend Depth of Discharge		90%
Environment temperature		
Charge	Operating	0°C~50°C
	Recommend	15°C~35°C
Discharge	Operating	-20°C~50°C
	Recommend	0°C~35°C
Storage		0°C~35°C