



# 51.2V 100Ah - 150Ah Lithium Battery Pack for Use in Base Stations



## What is 51.2V 100Ah for Telecom Battery?

Our 51.2V 100Ah Telecom Lithium-Ion Battery is designed to deliver continuous and reliable power for critical telecommunications infrastructure. With its high capacity and long cycle life, it ensures uninterrupted operations even under challenging conditions. Equipped with an advanced Battery Management System (BMS), this battery provides maximum safety and performance by protecting against overcharging, overheating, and voltage fluctuations.

## Performances

- Supports up to 10kW peak power
- Wide operating temperature range makes it suitable for different terrains and environments

## Applications



### Telecom

Our Telecom Lithium-Ion Battery is designed to provide consistent and reliable power for critical telecom infrastructure.

## Key Feature

- Key Feature
- Long cycle life and LFP chemistry delivering high energy density
- Flexibility in battery pack placement due to lower height: under the driver seat or under the cargo
- Capable to withstand side impact, drop and top loading
- High accuracy in voltage, current measurement
- Accuracy in SOC estimation > 98%
- Service friendly design, allows easy access to electronic and electro mechanical components
- 100% Automotive qualified components
- Thermal management to ensure battery operation at controlled temperature

## Yiğit Battery's Solutions

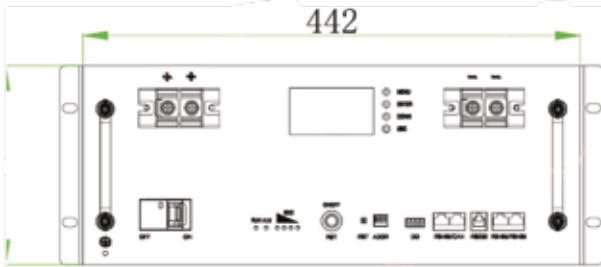
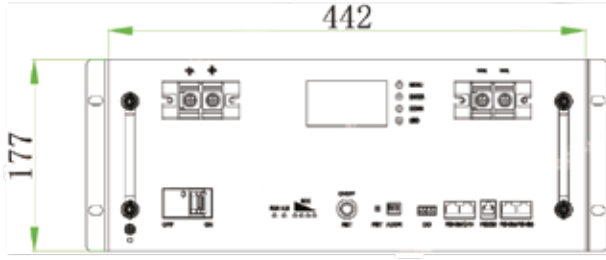
Equipped with advanced features like crash detection, redundant safety mechanisms, heater control, master/ slave adaptability and many more; the pack can be integrated in various architectures to ensure high efficiency. Needless to say, the battery pack is compliant to industry standards in terms of both safety and performance. Yiğit Battery is an innovative and powerful brand that has proven itself in the global market. By exporting to more than 100 countries across five continents, we offer energy storage solutions worldwide. With our container-type batteries, we are here to help our customers streamline their energy management, contribute to sustainability goals, and provide an uninterrupted power supply.

## PARAMETERS

## 48V 100Ah

## 48V 150Ah

Rated voltage (V)	48	48
Energy (Wh)	4800	7200
Rated capacity (Ah)	100	150
Charge cutoff voltage (V)	54.75	54.75
Standard charging current (A)	50	75
Max charging current (A)	100	150
Discharging cutoff current (A)	2	2
Discharging cutoff voltage (V)	40.5	40.5
Standad continuous discharging current (A)	50	75
Max discharging current (A)	100	150
Resistance (m)	≤50	≤50
Discharging temperature range (°C)	-20 ~ 65	-20 ~ 65
Charging temperature range (°C)	0 ~ 50	0 ~ 50
Storage temperature range (°C)	-30 ~ 35	-30 ~ 35
Storage environment humidity rate (RH)	5% ~ 85%	5% ~ 85%
Operating environment humidity rate (RH)	≤80%	≤80%
Delivered product's charged energy	≤30% - 50-60%	≤30% - 50-60%



Yiğit Akü Malzemeleri A.Ş. | Lityum İyon Fabrika Ural Cad. No:20 O.S.B Sincan/Ankara  
Tel: +90 312 267 02 80  
info@yigitaku.com | export@yigitaku.com

[www.yigitaku.com](http://www.yigitaku.com)  
[www.distalong.com](http://www.distalong.com)