



BATTERY MANUAL LITHIUM (WALL)



LEGAL GUARANTEES

In accordance with Law 1480 of 2011 Consumer Statute and Decree 735 of 2013 Legal Guarantee:

- To request a guarantee, the customer is obliged to report the damage to the product, make it available to the company at the guarantee service point at AV CL 80 69-70 Unit 1C, and indicate the invoice number to determine your purchase date.
- The delivery of the repaired product will be delivered to the customer at the warranty service point, unless the customer requests to send it to a different destination, in which case the customer must assume the cost of freight.
- In any case, when a product repair guarantee is denied or approved, the respective written report must be issued supporting the evidence that justifies the decision.
- In no case will Tb Plus Energy proceed with the replacement of the product given under warranty since, if the repair does not proceed, a credit note will be issued which covers the acquisition of another new product or service or the return of the money paid.
- If the failure repeats once the product has been repaired, only the credit note applies which covers the acquisition of another new product or service or the return of the money paid.
- When the customer opts for a refund of the money, it will be for the amount of the sale price. For this purpose, they must send a communication signed by the legal representative, which indicates the bank details to make the return, the which will be effective within fifteen (15) business days after receipt of the return request.
- The repair of the product will be carried out within 30 business days following the claim, which is carried out by filling out the GP-F-018 Warranty Form, which is completed in the PQRF Guarantees tab on the WEB page www.tbplusenergy.com or at the following link:

https://forms.office.com/Pages/ResponsePage.aspx?id=K987JK0Nuke_1n30RF9URwiKWAFzovhDrWEVYGmhK95UOVZYUFBWUpaQVZBM0hISORKUjdLSkdIWS4u
- Once the guarantee form has been completed, the client has 15 days to make it available at the guarantee service point.
- The product manuals in which proper use, installation instructions and periods covered by the warranty are reported are found in the PQRF Product Manuals tab on the website www.tbplusenergy.com.

TECHNICAL SPECIFICATIONS

Product description

Customized BMS communication protocol, iron phosphate series batteries and lithium, safe and reliable, and compatible with the corresponding inverter system. In Compared with similar products, the volume is the smallest, save space and it is convenient to carry; Appearance and color can be customized.

Application

- Uninterruptible power supply for home backup.
- Hospital.
- Banks.
- Data center.
- Small companies.
- Offices.
- Base stations.
- Backup power systems.

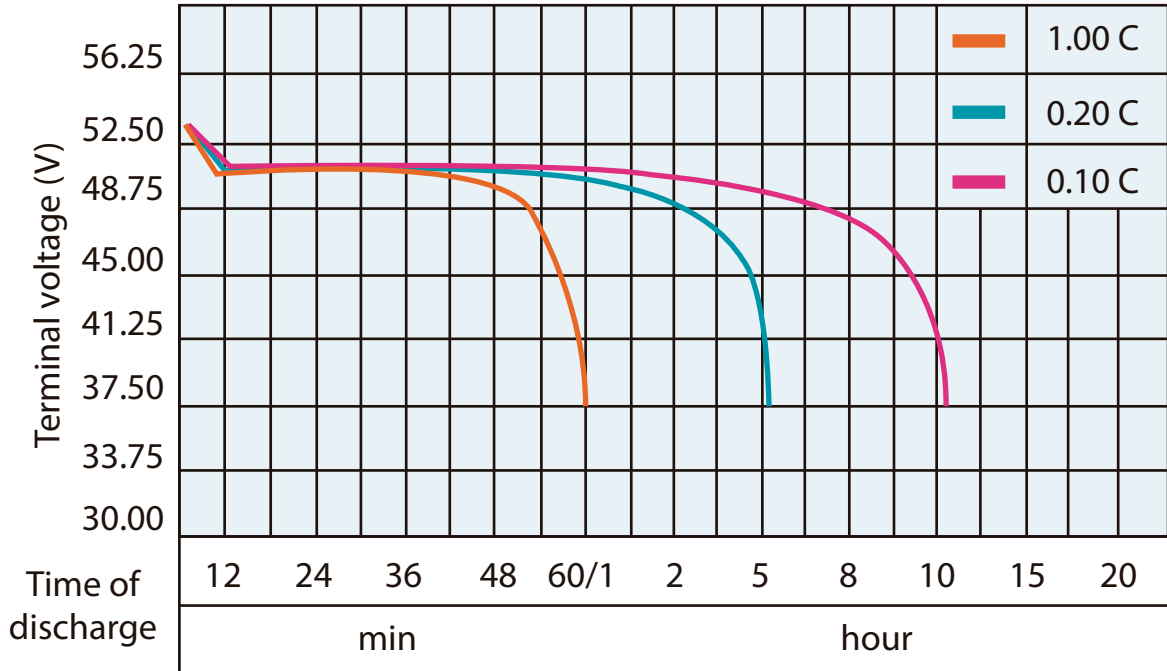
Specifications		
Nominal voltage	12V	
Rated capacity (25°C)	100 Ah	
Cell	GF48173125 - GFB	GF
Series and parallels	15 ~ 1	S/P
Voltage range	37.5 ~ 54.75 V	

TECHNICAL VARIABLES

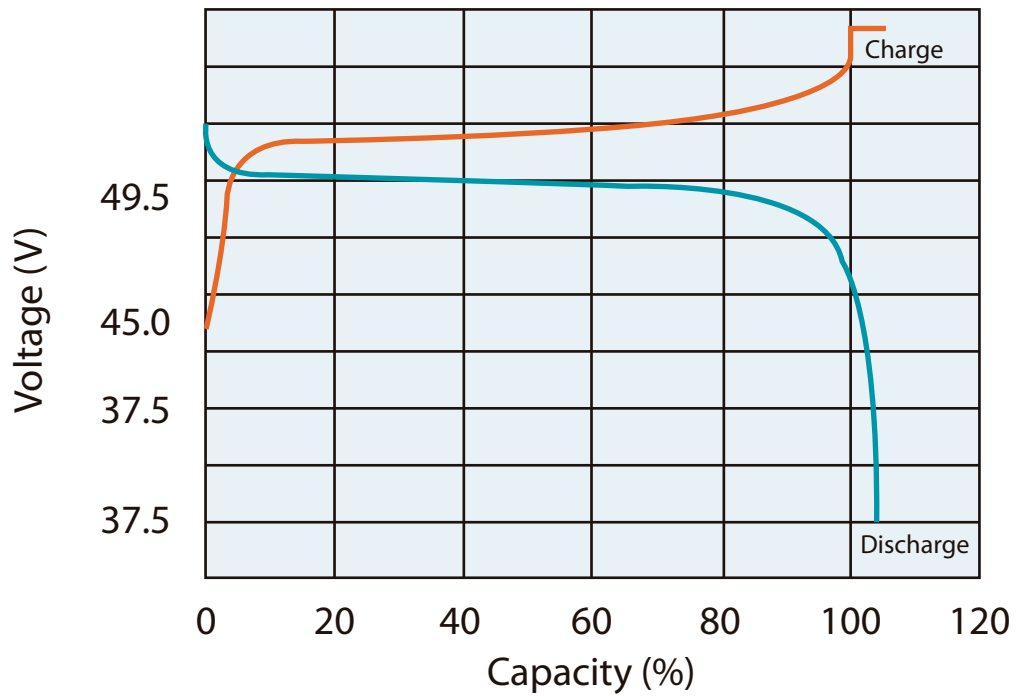
Specifications	
Rated power	4800 Wh
Maximum current discharge	100 A
Charging current maximum	100 A
Cut-off voltage discharge	≥ 37.5 V
Charging voltage	54.75 V
Life cycle (@25.1C/ 1C, 80% DOD °C)	≥ 6000 cycles
Float voltage	51 ~ 51.75 V
Humidity functioning	$60 \pm 25\%$ R.H.
Certifications	CE/UN38.3
Communications	RS485/CAN
Total weight	Approx. 55.50 Kg

GRAPHICS

Discharge current 25°C

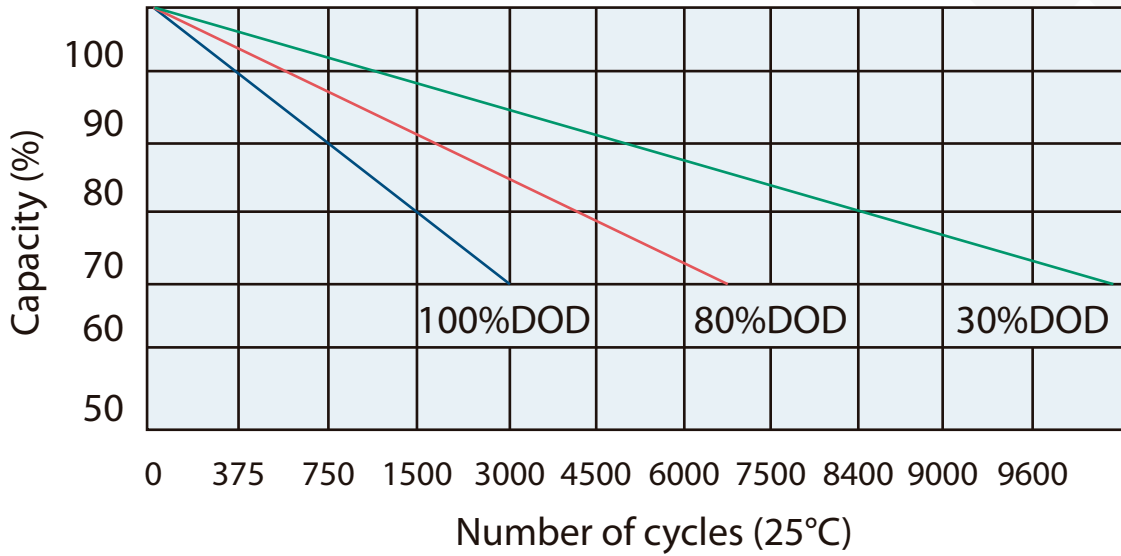


Constant voltage charging characteristics

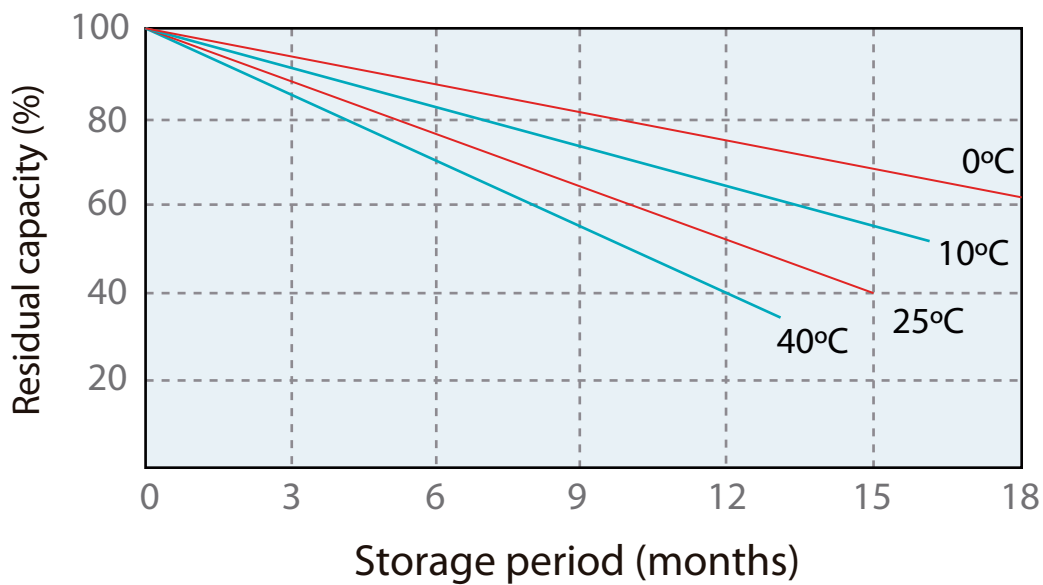


GRAPHICS

Life cycle in relation to depth of discharge



Residual capacity



WARRANTY CONDITIONS

Tb Plus Energy warrants that each product is free from defects in materials and workmanship manufacturing, and offers a guarantee for a period of **60 months** from the acquisition of the product.


RECOMMENDATIONS


- Follow loading and unloading recommendations.
- Store in a safe place. Free of light, water and dust.
- Install under certified professional recommendation.
- Do not expose to nearby heat sources.
- Do not connect equipment with a power greater than that with which the power supply has been sized battery or system.
- Once a year check the battery charge level.
- Keep the battery free of objects and obstacles.
- Do not manipulate its edges with your hands.
- Do not leave them within the reach of children.


Note: All our batteries communicate with the main inverter brands that are distributed in Colombia.


Tb Plus [®]


 www.tbplusenergy.com

 (+57) 316 6159244

 Av. Calle 80 No 69-70
Bodega 35
Bogotá, D.C. Colombia.

 (+1) 814 3008183

 759 SW Federal HWY
Suite 304
Stuart - Florida - US

 (+86) 13818126326

 China - Shanghai:
Cod. Postal 201308
Ed 1y2º 333; Haiyang
1st Road