

# BSLBATT 4<sup>th</sup> Generation Forklift Lithium Product Introduction

February 2025

**BSLBATT®**  
*Best Solution Lithium Battery*



BSL NEW ENERGY TECHNOLOGY CO., LTD

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## // Upgrades and Optimizations

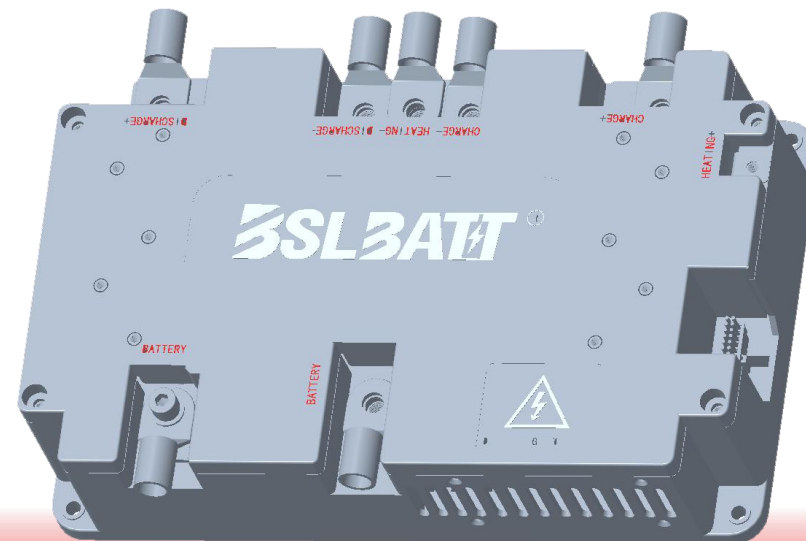
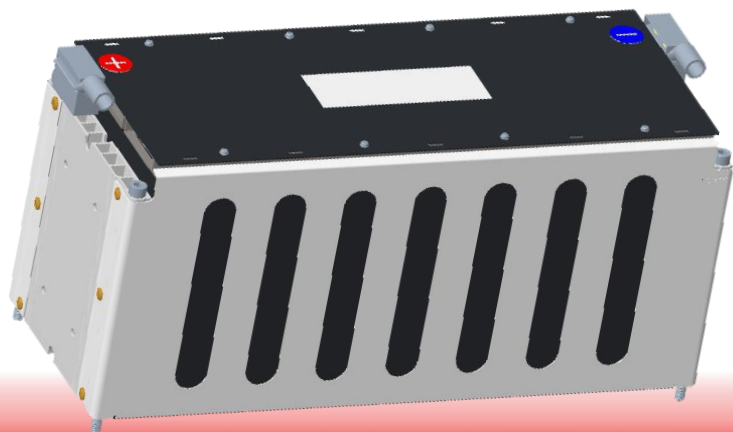
In order to solve the common problems of production, testing and after-sales, and to improve the quality of products, we have done a series of upgrading and optimization in four aspects, such as raw materials, structural design, production process, control strategy, etc., so that the standard box can be stocked in advance, tested in advance, shorten the production lead time, and improve the quality of products.



## // Upgrades and Optimizations

Raw material upgrade

The PDU is integrated and modularized for more simplicity and aesthetics.



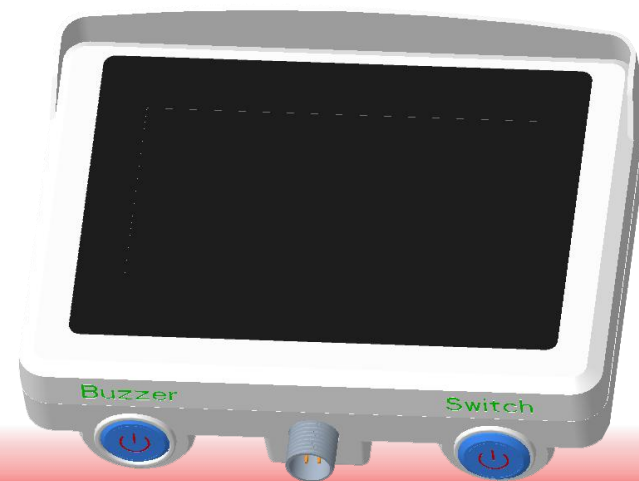
The side panel of the module has been added with heat sink holes, which is more conducive to the dissipation of heat from the module to reduce the temperature of the module.



## // Upgrades and Optimizations

Raw material upgrade

The display adopts a new type of newly molded display, which is more simple and beautiful.

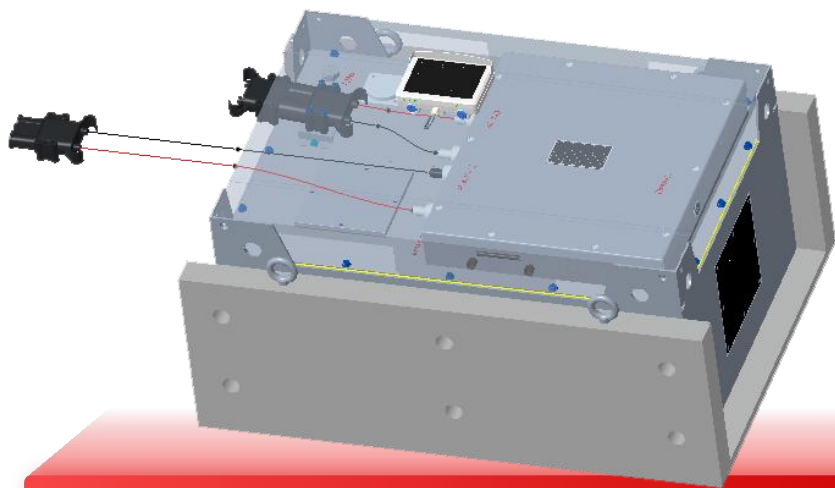


The display is also pre-equipped with a buzzer alarm module, which can be added at any time when needed.

## // Upgrades and Optimizations

Raw material upgrade

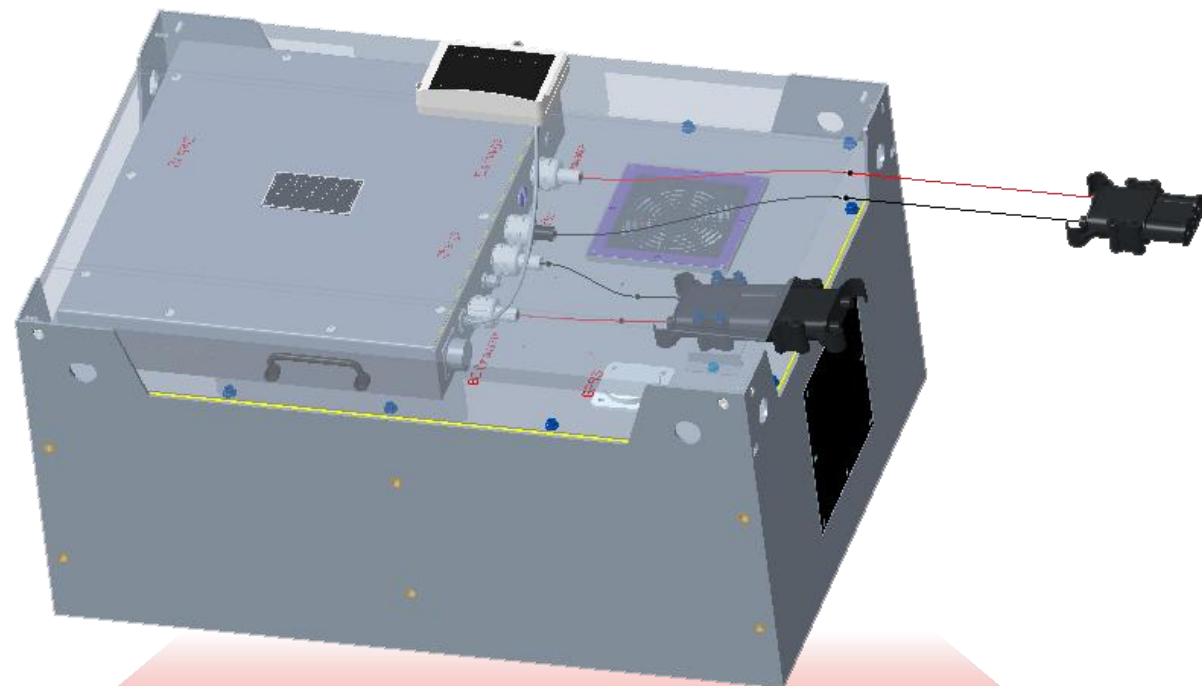
The display also comes pre-equipped with a universal swivel bracket to fix the display, which can be rotated 360 degrees without dead angle.



Battery pack adopts the latest standard box modularization, counterweight external: reduce procurement costs, simplify the production and processing process, more simple and beautiful.

## Upgrades and Optimizations

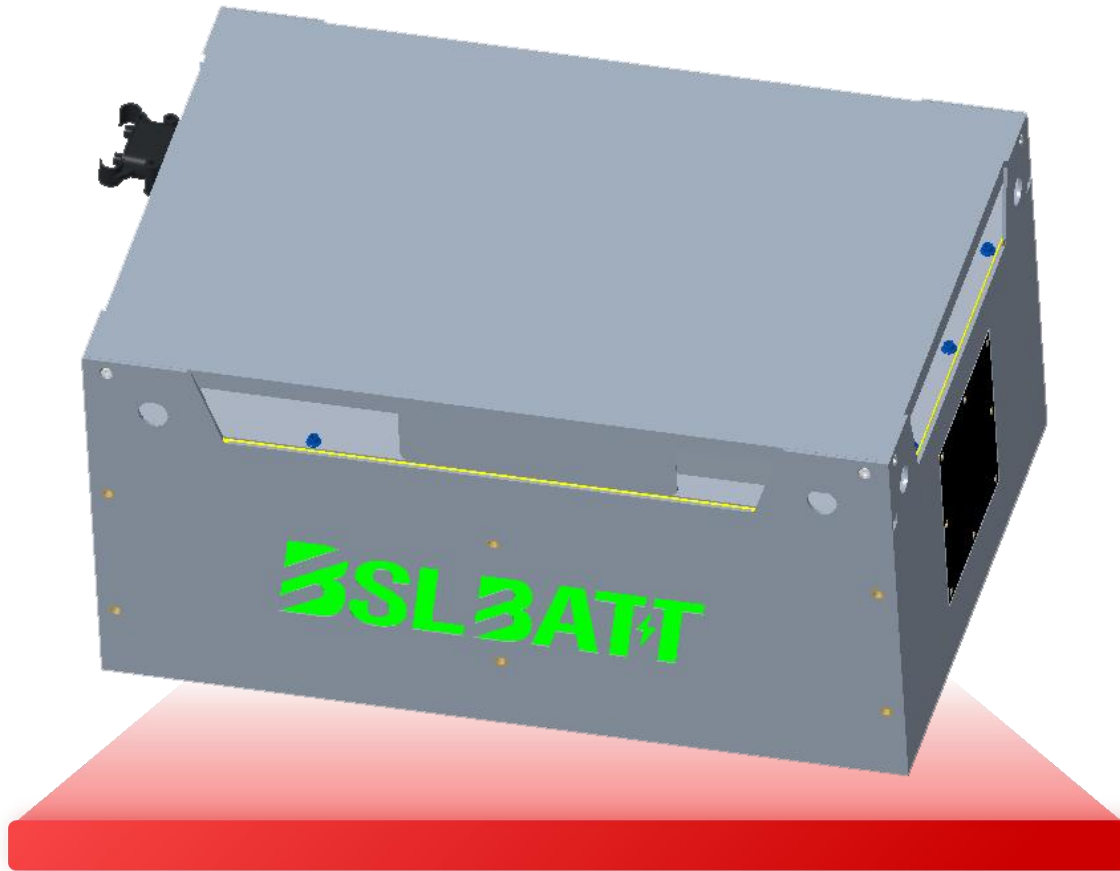
Structural design upgrade



Standard box modularization, at the same time on the standard box to increase the fan cooling function, fan open hole button function can be fan work on and off. Realize want to fan on, don't need can close, at the same time don't need fan can fan cover plate lock, realize IP54 waterproof requirements; In addition, the standard box is also equipped with USB, equalization, a key to renew, remote function, heating, fire extinguishing and other functions.

## // Upgrades and Optimizations

Structural design upgrade

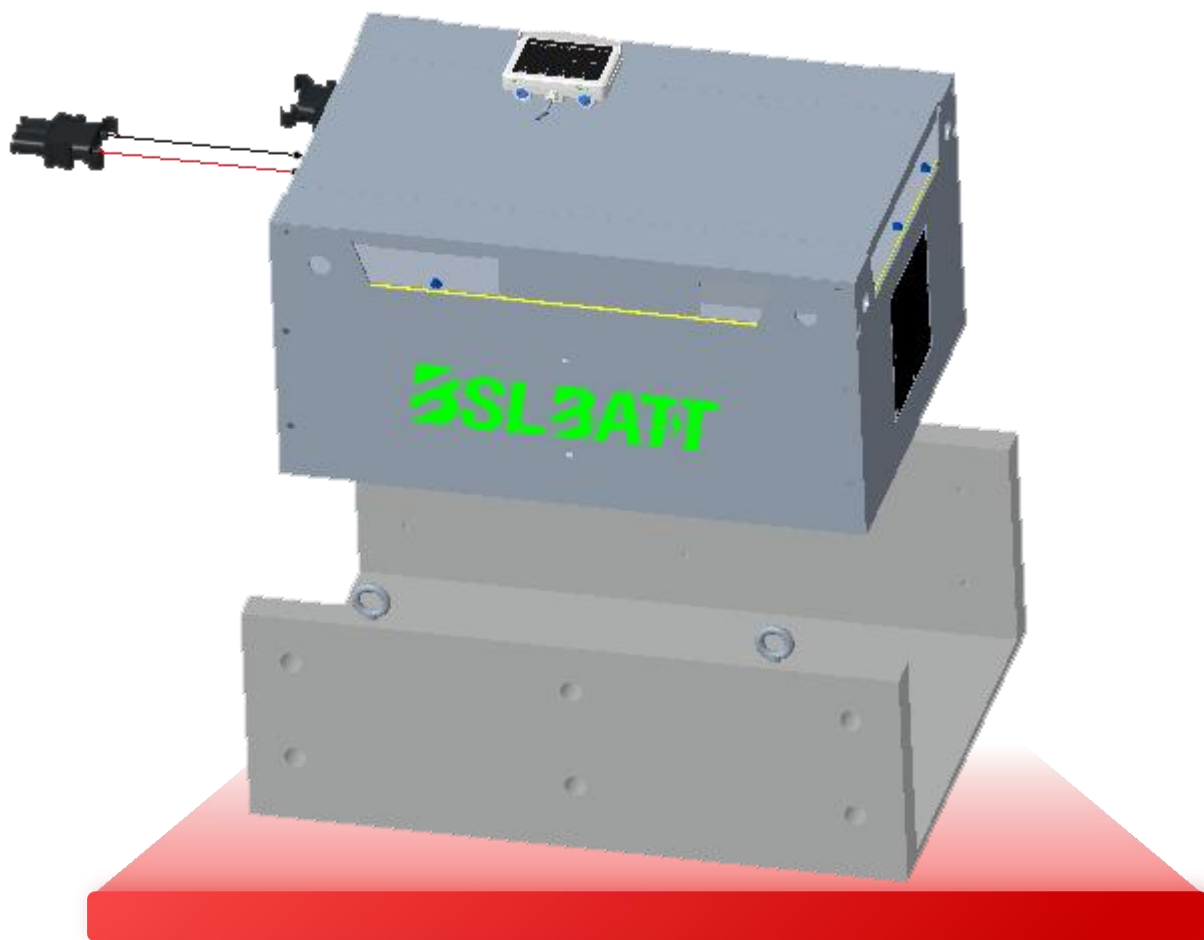


A rain cover has been added to the top of the standard box. The plugs are hidden inside, making the standard box look more simple, generous and beautiful.



## // Upgrades and Optimizations

Production process optimization



**Battery pack = standard box + external counterweight: standard box can be realized in batch, saving cost and shortening production time, providing efficiency. Just adjust the size and weight of the external counterweight according to the size and weight of the battery pack required by the customer.**

## New Function

To meet customer needs and improve product competitiveness, the following features have been added:

- ◆ The charging REMA head adds temperature sensing and develops temperature control logic to prevent the charging REMA from melting;
- ◆ USB function: external USB function can realize shabu program without opening the cover, and can be connected externally to complete the program update;
- ◆ One-key renewal function: after the power is exhausted, press the renewal button to activate the backup power, allowing the forklift to return to the charging position at low speed;
- ◆ External equalization function: the battery pack optional external monomer equalization function, prolong the service life, improve productivity (equalization once a year, life increased by 10-20%);
- ◆ Fire extinguisher function: fire extinguishers are installed inside the battery pack case to make the battery safer. In case the battery pack fails to burn, the fire can be extinguished in time;
- ◆ Fan function: equipped with enable button function. For hotter temperature areas the fan can be turned on. For lower temperature areas, the fan can be turned off to realize the free choice of fan.



## Advantages

### Standard Package Product Advantages

- ◆ **Module side plate with heat dissipation holes is more conducive to module heat dissipation, reducing module temperature and delaying battery life;**
- ◆ **Integrated PDU one-piece design, easy to disassemble;**
- ◆ **Modules are discharged according to the single-layer rule, which standardizes the related wiring harnesses, increases the heat dissipation area and facilitates after-sales service;**
- ◆ **Staggered arrangement of counterweights in the standard box, convenient for heat dissipation.**

# Advantages

## Cost Advantage

- ◆ A standard pack with different counterweight blocks is a different battery, but the core remains the same, reducing user learning costs;
- ◆ Reducing case production costs, and supplier delivery time;
- ◆ Reducing cross-country transportation costs;
- ◆ Standard battery packs can be produced in large quantities and in advance, shortening the delivery cycle.



# Standard Case Catalog

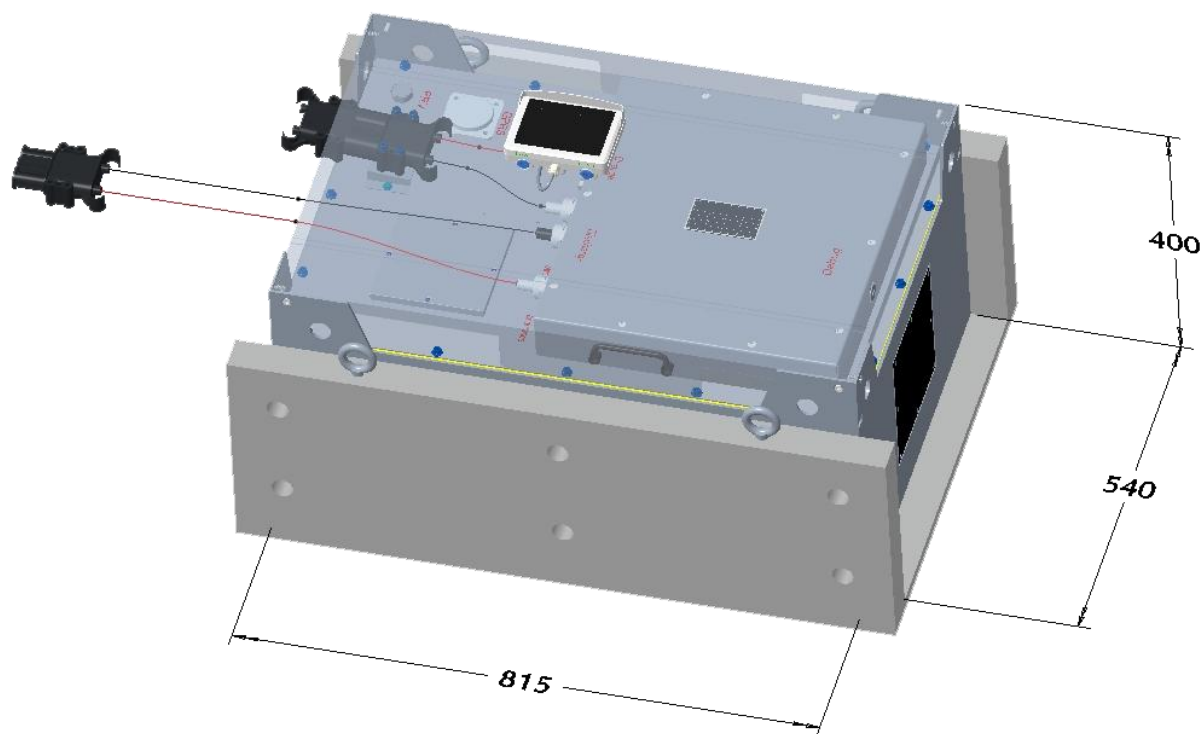
## 48V Standard Case

电压	容量(Ah)	成品编码	尺寸	电芯	结构	组合方式
51.2V	410	G1903-0013	815*540*400	205	单层结构	2P4S*4
	460	G1903-0014		230		
	410	G1903-0015	680*419*610	205	双层结构 PDU侧放	2P4S*4
	460	G1903-0016		230		
	410	G1903-0017	120*280*720	205	竖放结构	2P4S*4
	460	G1903-0018		230		
	560	G1903-0019		280		
	608	G1903-0020		304		
	560	G1903-0021	815*680*400	280	单层结构	2P4S*4
	608	G1903-0022		304		
	410	G1903-0023	820*450*580	205	双层结构 PDU侧放	2P4S*4
	460	G1903-0024		230		
	560	G1903-0025		280		
	608	G1903-0026		304		
	615	G1903-0027	815*770*400	205	单层结构	3P4S*4
	690	G1903-0028		230		
	615	G1903-0029	970*450*575	205	双层结构 PDU侧放	3P4S*4
	690	G1903-0030		230		



## // Standard Case Catalog

G1903-0013/0014-51.2V410Ah/460Ah

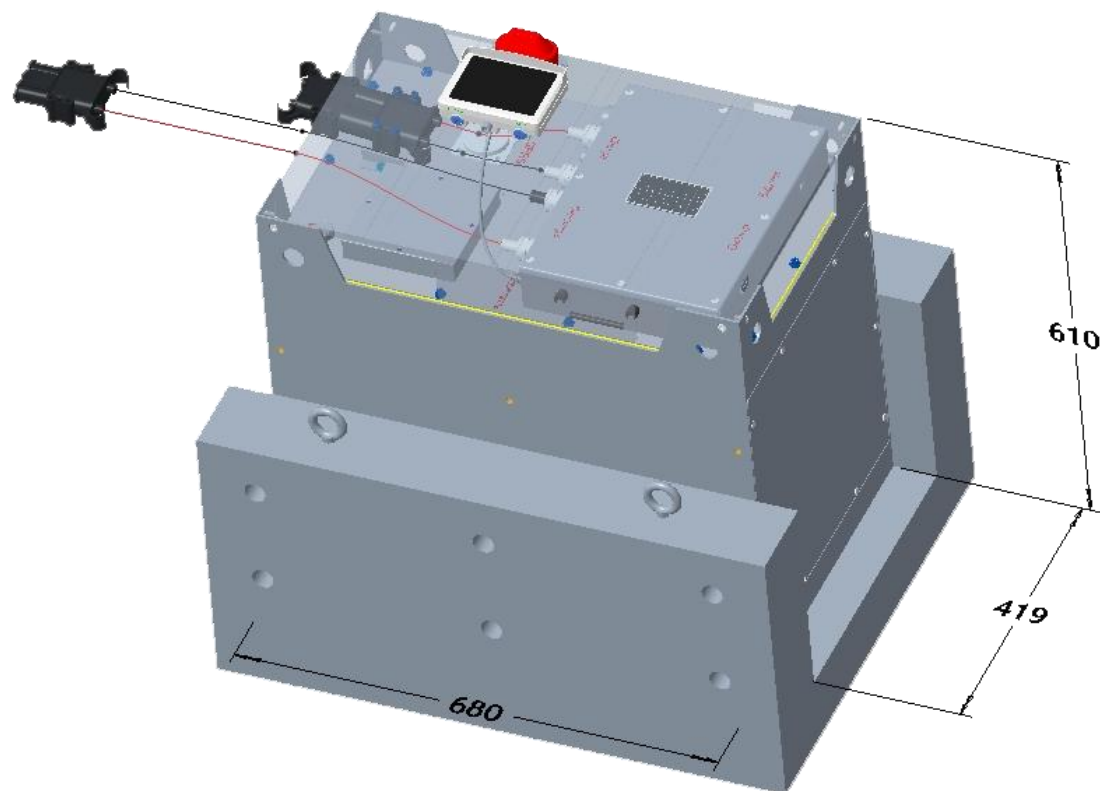


**815\*540\*400mm**

**Single layer construction,  
2P4S\*4**

## // Standard Case Catalog

**G1903-0015/0016-51.2V410Ah/460Ah**



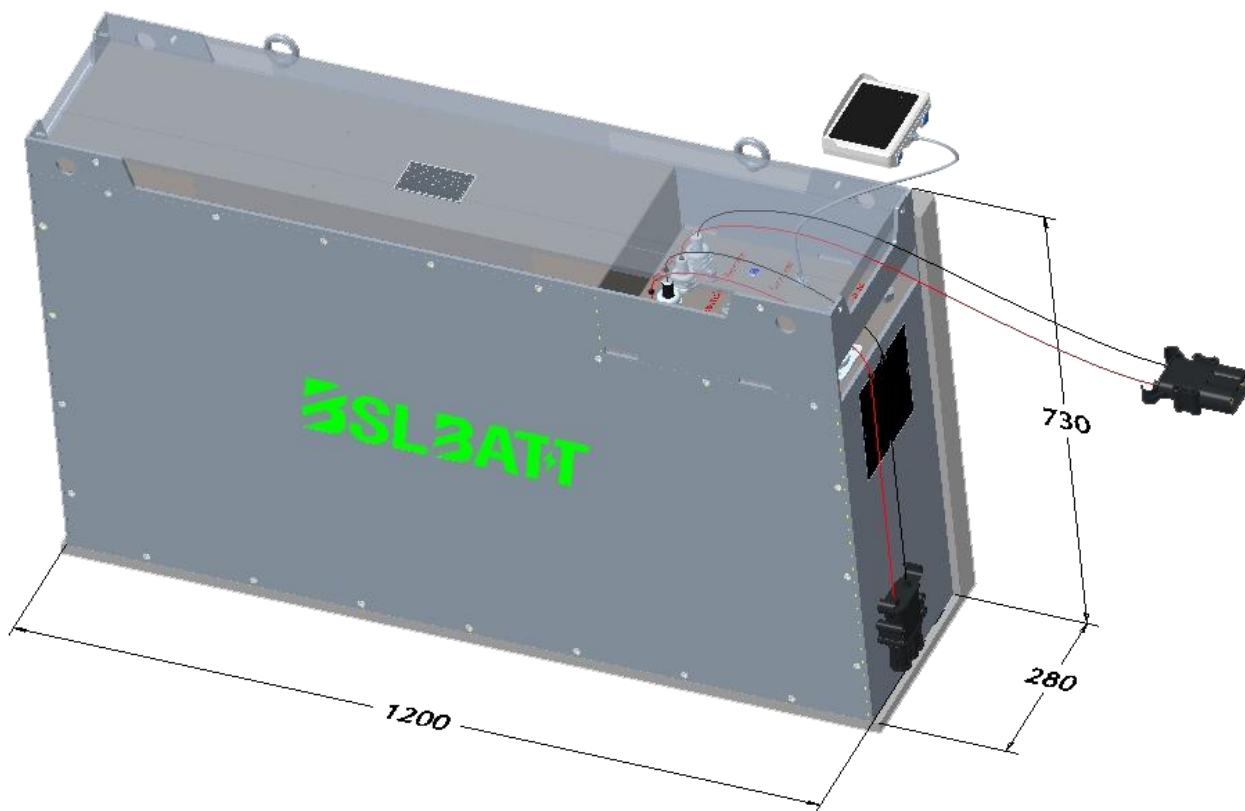
**680\*419\*610mm**

**Dual Tier Architecture, PDU Side  
Placement  
2P4S\*4**

## // Standard Case Catalog

**G1903-0017/0018-0019/0020**

**-51.2V410Ah/460Ah-51.2V560Ah/608Ah**

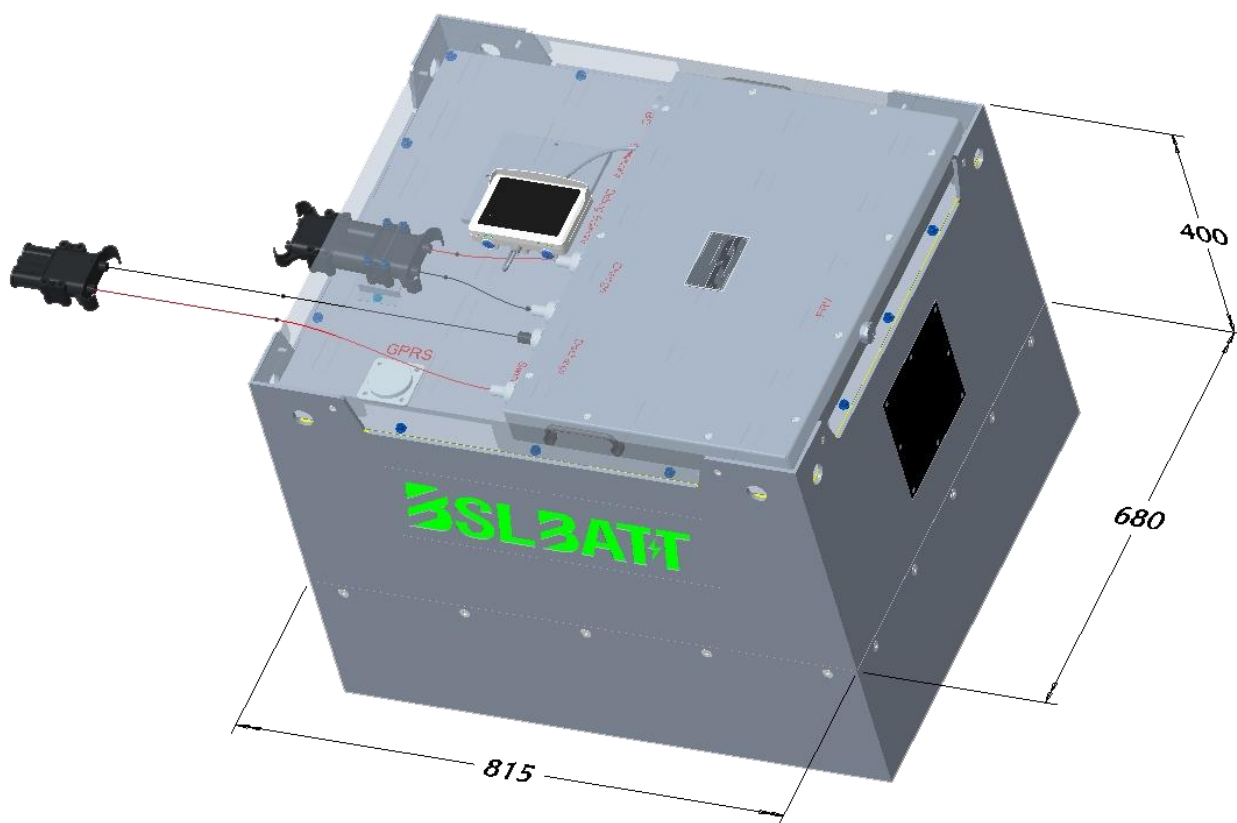


**1200\*280\*720mm**

**Vertical structure  
2P4S\*4**

## // Standard Case Catalog

G1903-0021/0022-51.2V560Ah/608Ah



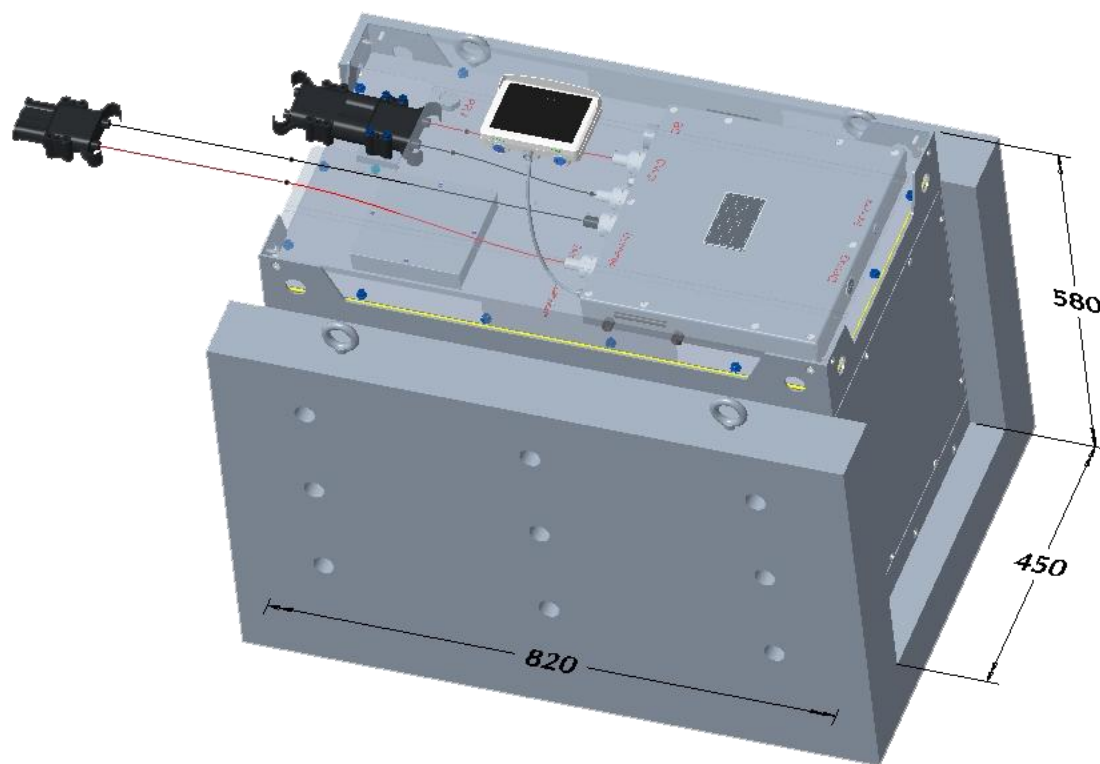
815\*680\*400mm

Single layer construction  
2P4S\*4

## // Standard Case Catalog

**G1903-0023/0024-0025/0026**

**-51.2V410Ah/460Ah-51.2V560Ah/608Ah**



**820\*450\*580mm**

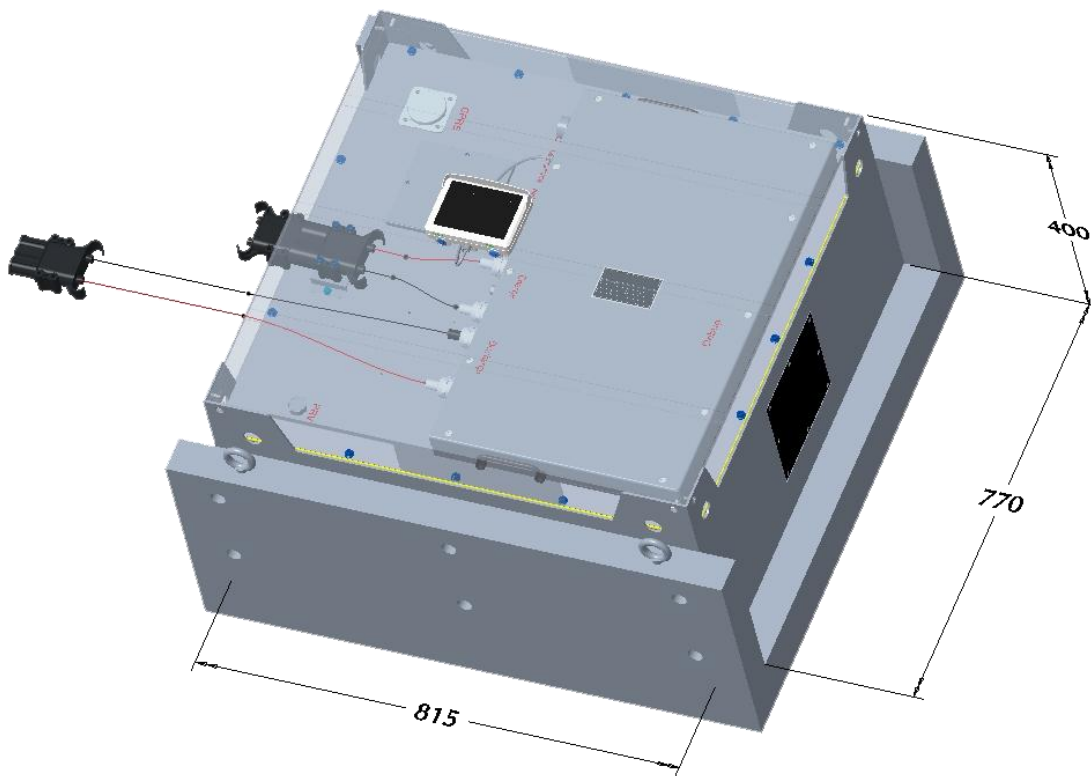
**Dual Tier Architecture, PDU  
Side Placement  
2P4S\*4**



## // Standard Case Catalog

**G1903-0027/0028**

**-51.2V615Ah/690Ah**



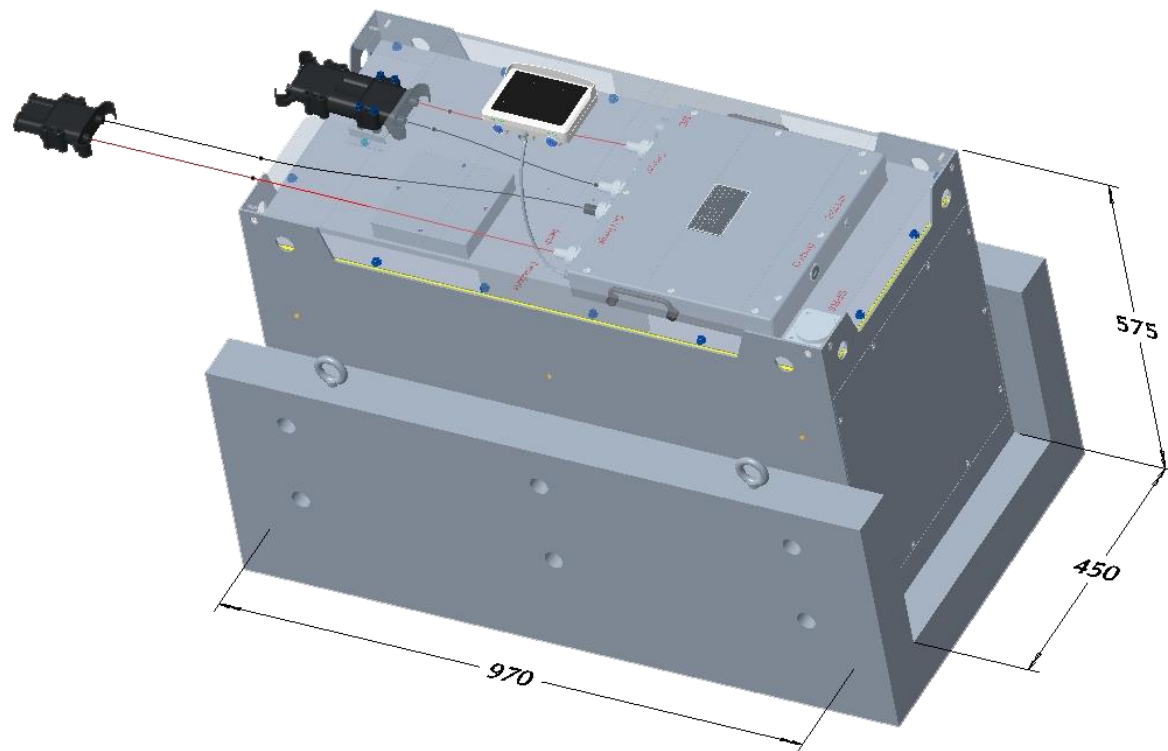
**815\*770\*400mm**

**Single layer construction  
3P4S\*4**

## // Standard Case Catalog

**G1903-0029/0030**

**-51.2V615Ah/690Ah**



**970\*450\*575mm**

**Dual Tier Architecture, PDU  
Side Placement  
3P4S\*4**



# Standard Case Catalog

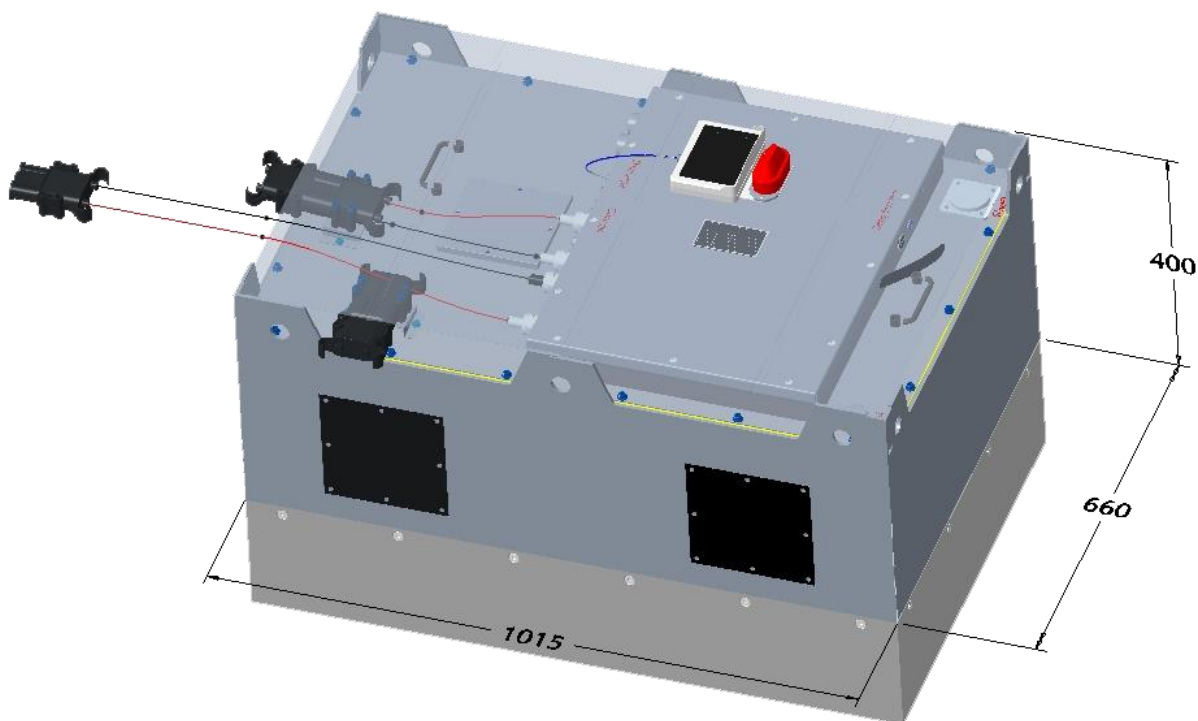
80V Standard Case

电压	容量(Ah)	成品编码	尺寸	电芯	结构	组合方式
80V	410	G1905-0005	1015*660*400	205	单层层结构	2P5S*5
	460	G1905-0006		230		
	410	G1905-0007	1015*850*400	205	单层层结构	
	460	G1905-0008		230		
	560	G19058-0009		280		
	608	G19058-0010		304		
	410	G1905-0011	830*644*620	205	双层结构	
	460	G1905-0012		230		
	560	G1905-0013		280		
	608	G1905-0014		304		
83.2V	615	G1906-0003	1015*850*620	205	双层结构	3P4S*6+3P2S
	690	G1906-0004		230		

## // Standard Case Catalog

**G1905-0005/0006**

**-80V615Ah/690Ah**



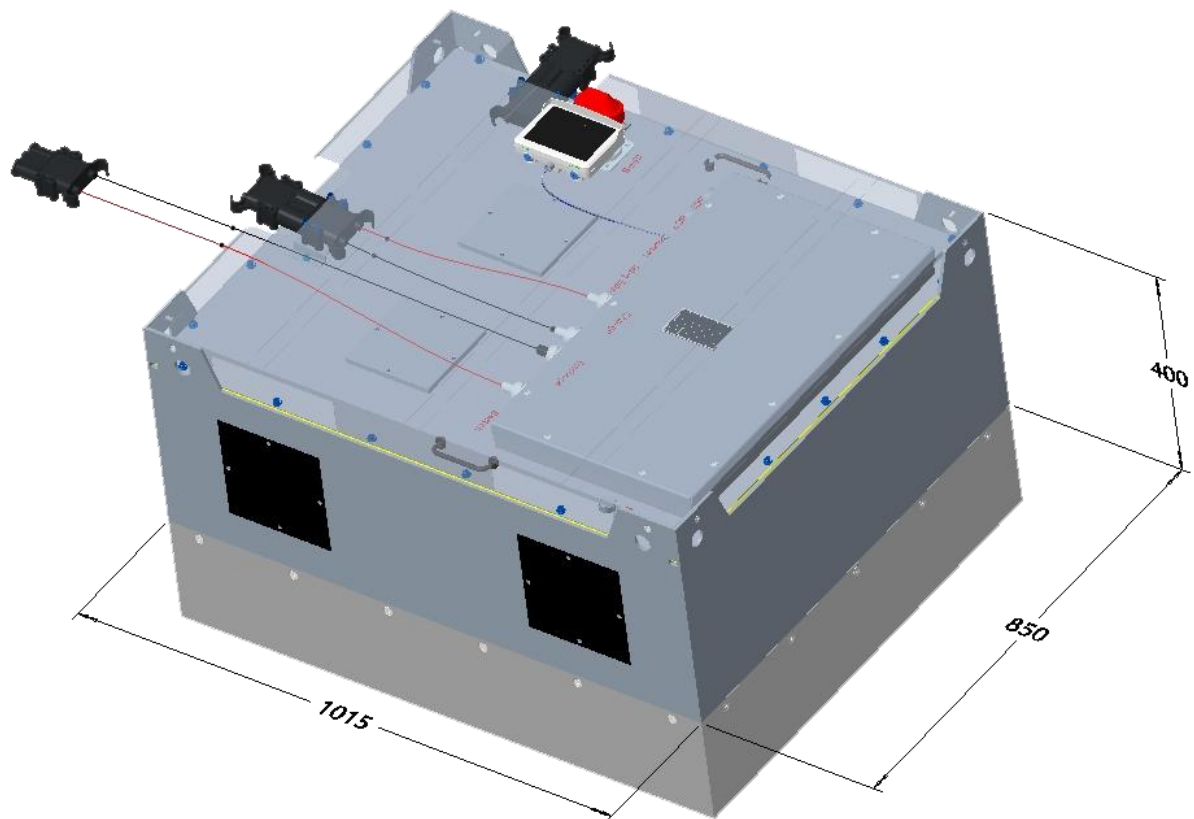
**1015\*660\*400mm**

**Single layer construction  
3P5S\*5**

## // Standard Case Catalog

**G1905-0007/0008-0009/0010**

**-80V410Ah/460Ah-560Ah/608Ah**



**1015\*850\*400mm**

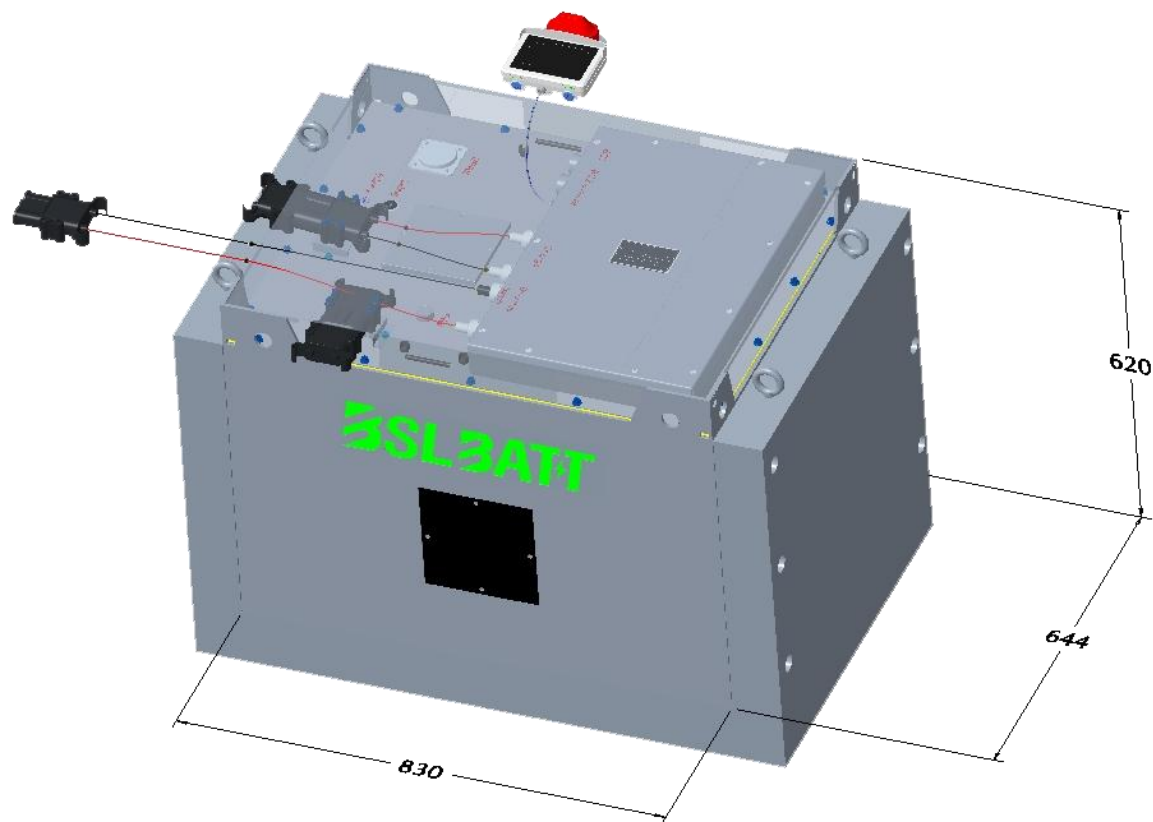
**Single layer construction  
2P5S\*5**



## // Standard Case Catalog

G1905-0011/0012-0013/0014

-80V410Ah/460Ah-560Ah/608Ah



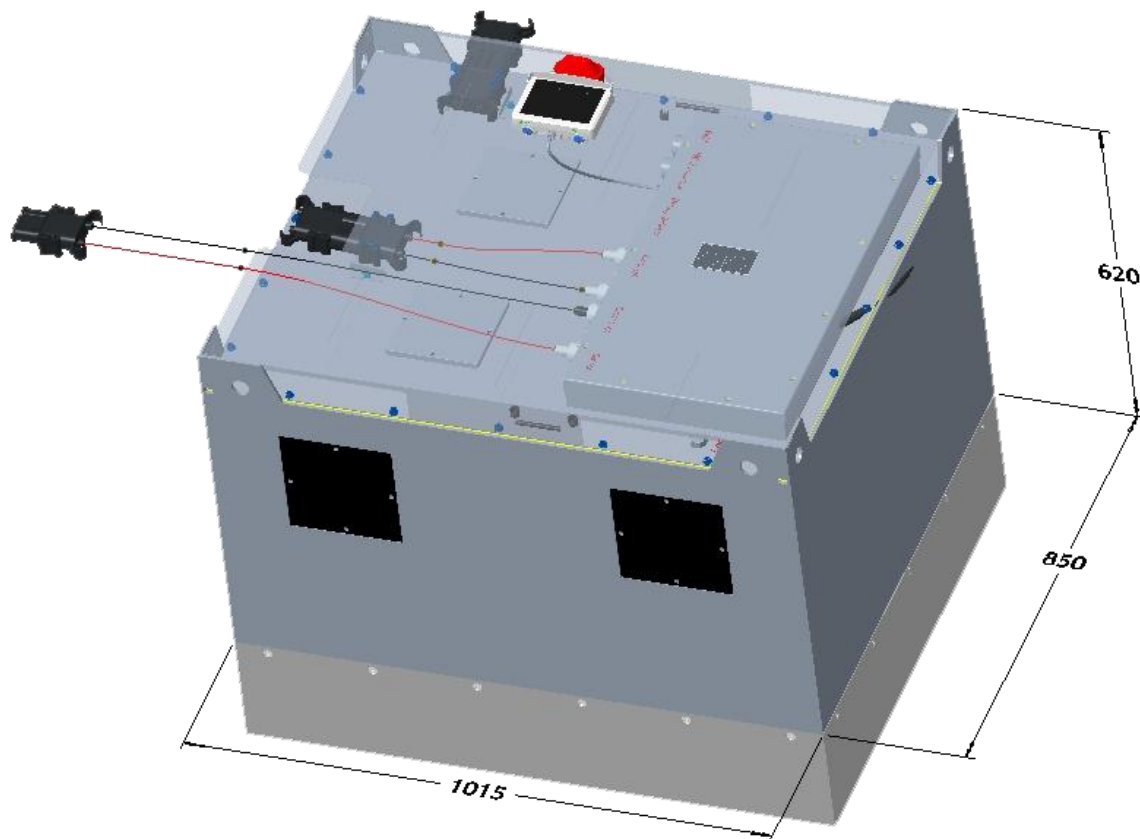
830\*644\*620mm

Dual Tier Architecture  
2P5S\*5

## // Standard Case Catalog

**G1906-0003/0004**

**-83.2V615Ah/690Ah**



**1015\*850\*620mm**

**Dual Tier Architecture  
3P4S\*6+3P2S**

# We Will Continue To Work On...

# Thanks!

