

# ZhongYi PowerCube **SERIES**

## RECHARGEABLE LITHIUM IRON PHOSPHATE BATTERIES

### LiFePO4 Series Capable Lithium



**Combining proven lithium technology with an intelligent battery management system (BMS), the PowerCube series delivers a battery that lasts longer, weight less, and charges faster than the equivalent lead acid battery.**

At the heart of every PowerCube lithium battery is an intelligent BMS that monitors and reacts to multiple voltage, current, and temperature events to maximize performance, battery life, and safety.

## MODELS:

- **PowerCube-128LT**
- **PowerCube-128**
- **PowerCube-129**
- **PowerCube-1210**
- **PowerCube-1212**
- **PowerCube-1215**
- **PowerCube-1212LT**
- **PowerCube-1225**
- **PowerCube-1240**
- **PowerCube-1250**
- **PowerCube-1275**
- **PowerCube-12100**
- **PowerCube-2450**
- **PowerCube-12150**
- **PowerCube-2475**
- **PowerCube-12165-G31**
- **PowerCube-2580-G31**
- **PowerCube-3655-G31**
- **PowerCube-12260**
- **PowerCube-12300**
- **PowerCube-24150**

ZhongYi PowerCube-series battery module with built in battery management systems. PowerCube-series solution designed as a lighter-weight, longer-lasting replacement for lead acid batteries. Based on field-proven LiFePo4 26650 cells, the PowerCube series delivers higher power, greater energy density and increased safety to deliver superior performance and reduced operating costs as compared to lead acid for commercial applications.

### APPROVALS

- UL 1642 cell certificate
- IEC 62133 cell certificate
- UN38.3 certificated

### INTELLIGENT BATTERY MANAFEMENT SYSTEM

The LBAT Series comes with an intelligent battery management system which monitors current, voltage, and temperature during charge and discharge. This protects the battery from damaging events.

The BMS has a smart balancing function that controls all cell voltage in the battery. This ensures the cells are constantly at the same voltage level, optimizing battery capacity.

### FEATURES

- Compact and only 40% of the weight of comparable lead acid batteries
- Up to 10 times more cycles than lead acid batteries
- Faster charging and lower self-discharge
- Delivers twice the power of lead acid batteries, even high discharge rate, while maintaining high energy density
- Super safe chemistry, reducing the risk of explosion or combustion due to high impact, over-charging, or short circuit situation
- Rugged impact resistant ABS case and cover
- UL94 flammability rated
- BMS controls the parameters of the battery to provide optimum safety and performance
- Enhanced BMS design balances the battery cells and protects against overcharging and discharging

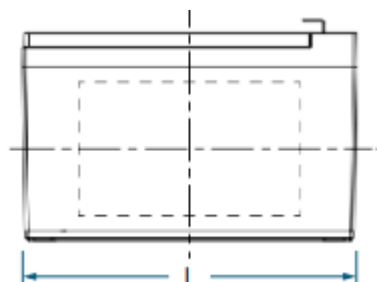
### APPLICATIONS

- |           |               |                       |            |
|-----------|---------------|-----------------------|------------|
| ● Medical | ● Date Center | ● Sports & Recreation | ● Mobility |
| ● Wind    | ● Transport   | ● Solar               | ● Utility  |

## PowerCube-128LT

|                                    |                              |
|------------------------------------|------------------------------|
| Part Number                        | PowerCube-128(26700LT)       |
| Nominal Capacity(0.2C to 10V@25°C) | 8Ah/102.4Wh                  |
| Nominal Voltage                    | 12.8V                        |
| Self- Discharge Rate per month     | ≤3%                          |
| Max Discharge current              | 15A                          |
| Max Charge current                 | 8A                           |
| Discharge Cut-off Voltage          | 10.0V                        |
| Charge Cut-off Voltage             | 14.6V                        |
| Cycle Life (@DOD 100%)             | 2000                         |
| Life Expectancy (Years)            | 5 years at one cycle per day |
| Case Material                      | ABS                          |
| Cell Chemistry                     | LiFePo4                      |
| Assembly Method                    | 4S2P                         |
| Series Connection                  | 4 in series                  |
| Parallel Connection                | 4 in parallel                |
| Dimension (L x W x H)              | 151*65*95mm                  |
| Terminal Type                      | T1                           |
| Charge Temperature Range           | -10°C-50°C (-10-0°C 0.2C)    |
| Discharge Temperature Range        | -40°C-60°C                   |
| Storage Temperature Range          | -20°C-40°C                   |
| Compliance                         | UN38.3                       |

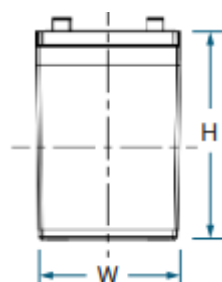
## DIMENSIONS



**L:151mm**

**W:65mm**

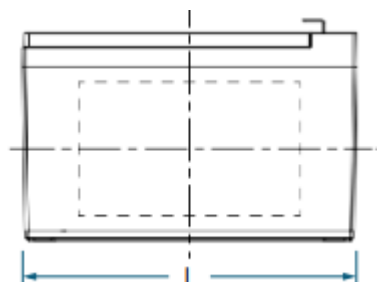
**H:95mm**



## PowerCube-128

|                                    |                              |
|------------------------------------|------------------------------|
| Part Number                        | POWERCUBE-128 (26700 4.0Ah)  |
| Nominal Capacity(0.2C to 10V@25°C) | 8Ah/102.4Wh                  |
| Nominal Voltage                    | 12.8V                        |
| Self- Discharge Rate per month     | ≤3%                          |
| Max Discharge current              | 15A                          |
| Max Charge current                 | 8A                           |
| Discharge Cut-off Voltage          | 10.0V                        |
| Charge Cut-off Voltage             | 14.6V                        |
| Cycle Life (@DOD 100%)             | 2000                         |
| Life Expectancy (Years)            | 5 years at one cycle per day |
| Case Material                      | ABS                          |
| Cell Chemistry                     | LiFePo4                      |
| Assembly Method                    | 4S2P                         |
| Series Connection                  | 4 in series                  |
| Parallel Connection                | 4 in parallel                |
| Dimension (L x W x H)              | 151*65*95mm                  |
| Terminal Type                      | T1                           |
| Charge Temperature Range           | 0°C-50°C                     |
| Discharge Temperature Range        | -20°C-60°C                   |
| Storage Temperature Range          | -20°C-40°C                   |
| Compliance                         | UN38.3                       |

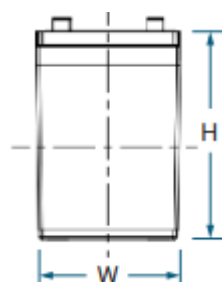
## DIMENSIONS



**L:151mm**

**W:65mm**

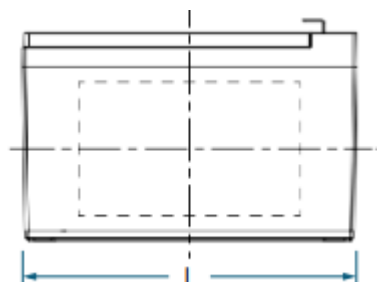
**H:95mm**



## PowerCube-129

|                                    |                              |
|------------------------------------|------------------------------|
| Part Number                        | POWERCUBE-129 (26700 4.5Ah)  |
| Nominal Capacity(0.2C to 10V@25°C) | 9Ah/115.2Wh                  |
| Nominal Voltage                    | 12.8V                        |
| Self- Discharge Rate per month     | ≤3%                          |
| Max Discharge current              | 15A                          |
| Max Charge current                 | 9A                           |
| Discharge Cut-off Voltage          | 10.0V                        |
| Charge Cut-off Voltage             | 14.6V                        |
| Cycle Life (@DOD 100%)             | 2000                         |
| Life Expectancy (Years)            | 5 years at one cycle per day |
| Case Material                      | ABS                          |
| Cell Chemistry                     | LiFePo4                      |
| Assembly Method                    | 4S2P                         |
| Series Connection                  | 4 in series                  |
| Parallel Connection                | 4 in parallel                |
| Dimension (L x W x H)              | 151*65*95mm                  |
| Terminal Type                      | T1                           |
| Charge Temperature Range           | 0°C-50°C                     |
| Discharge Temperature Range        | -20°C-60°C                   |
| Storage Temperature Range          | -20°C-40°C                   |
| Compliance                         | UN38.3                       |

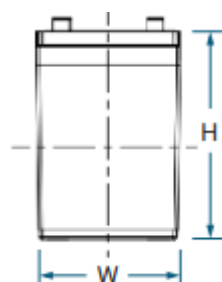
## DIMENSIONS



**L:151mm**

**W:65mm**

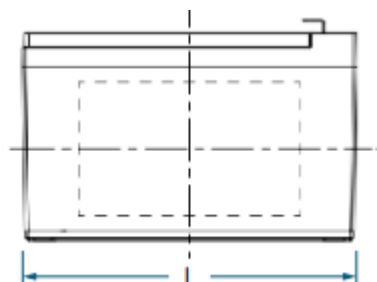
**H:95mm**



## PowerCube-1210

|                                    |                              |
|------------------------------------|------------------------------|
| Part Number                        | POWERCUBE-1210 (26700 5.0Ah) |
| Nominal Capacity(0.2C to 10V@25°C) | 10Ah/128Wh                   |
| Nominal Voltage                    | 12.8V                        |
| Self- Discharge Rate per month     | ≤3%                          |
| Max Discharge current              | 15A                          |
| Max Charge current                 | 10A                          |
| Discharge Cut-off Voltage          | 10.0V                        |
| Charge Cut-off Voltage             | 14.6V                        |
| Cycle Life (@DOD 100%)             | 2000                         |
| Life Expectancy (Years)            | 5 years at one cycle per day |
| Case Material                      | ABS                          |
| Cell Chemistry                     | LiFePo4                      |
| Assembly Method                    | 4S2P                         |
| Series Connection                  | 4 in series                  |
| Parallel Connection                | 4 in parallel                |
| Dimension (L x W x H)              | 151*65*95mm                  |
| Terminal Type                      | T1                           |
| Charge Temperature Range           | 0°C-50°C                     |
| Discharge Temperature Range        | -20°C-60°C                   |
| Storage Temperature Range          | -20°C-40°C                   |
| Compliance                         | UN38.3                       |

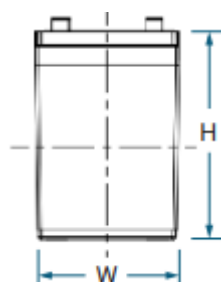
## DIMENSIONS



**L:151mm**

**W:65mm**

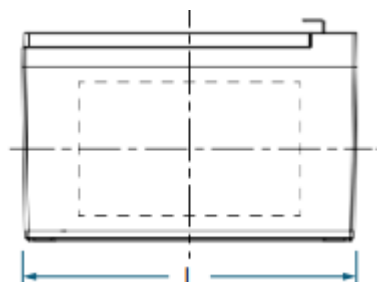
**H:95mm**



## PowerCube-1212

|                                    |                              |
|------------------------------------|------------------------------|
| Part Number                        | PowerCube-1212(26700 4.0Ah)  |
| Nominal Capacity(0.2C to 10V@25°C) | 12Ah/153.6Wh                 |
| Nominal Voltage                    | 12.8V                        |
| Self- Discharge Rate per month     | ≤3%                          |
| Max Discharge current              | 15A                          |
| Max Charge current                 | 12A                          |
| Discharge Cut-off Voltage          | 10.0V                        |
| Charge Cut-off Voltage             | 14.6V                        |
| Cycle Life (@DOD 100%)             | 2000                         |
| Life Expectancy (Years)            | 5 years at one cycle per day |
| Case Material                      | ABS                          |
| Cell Chemistry                     | LiFePo4                      |
| Assembly Method                    | 4S3P                         |
| Series Connection                  | 4 in series                  |
| Parallel Connection                | 4 in parallel                |
| Dimension (L x W x H)              | 151*99*94mm                  |
| Terminal Type                      | T2                           |
| Charge Temperature Range           | 0°C-50°C                     |
| Discharge Temperature Range        | -20°C-60°C                   |
| Storage Temperature Range          | -20°C-40°C                   |
| Compliance                         | UN38.3                       |

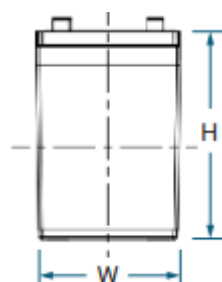
## DIMENSIONS



**L:151mm**

**W:99mm**

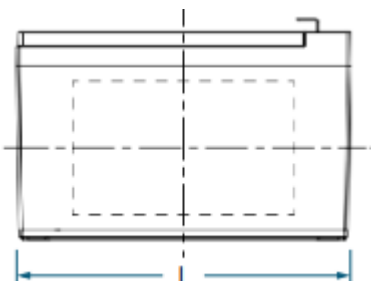
**H:94mm**



## PowerCube-1215

|                                    |                              |
|------------------------------------|------------------------------|
| Part Number                        | PowerCube-1215(26700 5.0Ah)  |
| Nominal Capacity(0.2C to 10V@25°C) | 15Ah/192Wh                   |
| Nominal Voltage                    | 12.8V                        |
| Self- Discharge Rate per month     | ≤3%                          |
| Max Discharge current              | 15A                          |
| Max Charge current                 | 15A                          |
| Discharge Cut-off Voltage          | 10.0V                        |
| Charge Cut-off Voltage             | 14.6V                        |
| Cycle Life (@DOD 100%)             | 2000                         |
| Life Expectancy (Years)            | 5 years at one cycle per day |
| Case Material                      | ABS                          |
| Cell Chemistry                     | LiFePo4                      |
| Assembly Method                    | 4S3P                         |
| Series Connection                  | 4 in series                  |
| Parallel Connection                | 4 in parallel                |
| Dimension (L x W x H)              | 151*99*94mm                  |
| Terminal Type                      | T2                           |
| Charge Temperature Range           | 0°C-50°C                     |
| Discharge Temperature Range        | -20°C-60°C                   |
| Storage Temperature Range          | -20°C-40°C                   |
| Compliance                         | UN38.3                       |

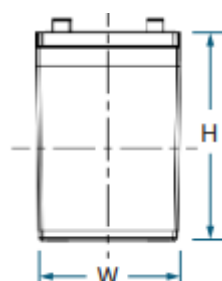
## DIMENSIONS



**L:151mm**

**W:99mm**

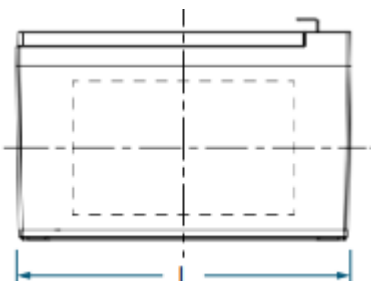
**H:94mm**



## PowerCube-1212LT

|                                    |                              |
|------------------------------------|------------------------------|
| Part Number                        | PowerCube-1212 (26700LT)     |
| Nominal Capacity(0.2C to 10V@25°C) | 12Ah/153.6Wh                 |
| Nominal Voltage                    | 12.8V                        |
| Self- Discharge Rate per month     | ≤3%                          |
| Max Discharge current              | 15A                          |
| Max Charge current                 | 12A                          |
| Discharge Cut-off Voltage          | 10.0V                        |
| Charge Cut-off Voltage             | 14.6V                        |
| Cycle Life (@DOD 100%)             | 2000                         |
| Life Expectancy (Years)            | 5 years at one cycle per day |
| Case Material                      | ABS                          |
| Cell Chemistry                     | LiFePo4                      |
| Assembly Method                    | 4S3P                         |
| Series Connection                  | 4 in series                  |
| Parallel Connection                | 4 in parallel                |
| Dimension (L x W x H)              | 151*99*94mm                  |
| Terminal Type                      | T2                           |
| Charge Temperature Range           | -10°C-50°C(-10-0 °C 0.2C)    |
| Discharge Temperature Range        | -40°C-60°C                   |
| Storage Temperature Range          | -20°C-40°C                   |
| Compliance                         | UN38.3                       |

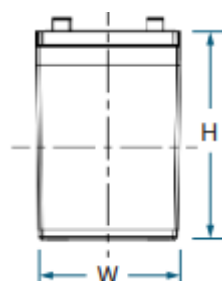
## DIMENSIONS



**L:151mm**

**W:99mm**

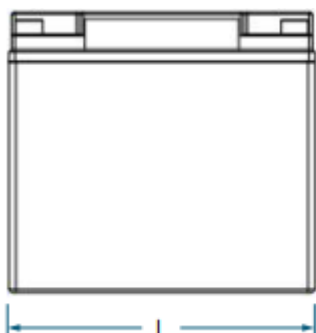
**H:94mm**



## PowerCube-1225

|                                    |                              |
|------------------------------------|------------------------------|
| Part Number                        | PowerCube-1220(26700 5.0Ah)  |
| Nominal Capacity(0.2C to 10V@25°C) | 25Ah/320Wh                   |
| Nominal Voltage                    | 12.8V                        |
| Self- Discharge Rate per month     | ≤3%                          |
| Max Discharge current              | 25A                          |
| Max Charge current                 | 25A                          |
| Discharge Cut-off Voltage          | 10.0V                        |
| Charge Cut-off Voltage             | 14.6V                        |
| Cycle Life (@DOD 100%)             | 2000                         |
| Life Expectancy (Years)            | 5 years at one cycle per day |
| Case Material                      | ABS                          |
| Cell Chemistry                     | LiFePo4                      |
| Assembly Method                    | 4S5P                         |
| Series Connection                  | 4 in series                  |
| Parallel Connection                | 4 in parallel                |
| Dimension (L x W x H)              | 181*77*170mm                 |
| Terminal Type                      | M6                           |
| Charge Temperature Range           | 0°C-50°C                     |
| Discharge Temperature Range        | -20°C-60°C                   |
| Storage Temperature Range          | -20°C-40°C                   |
| Compliance                         | UN38.3                       |

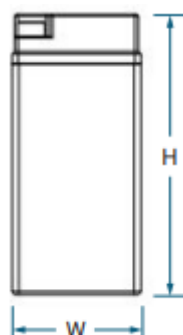
## DIMENSIONS



**L:181mm**

**W:77mm**

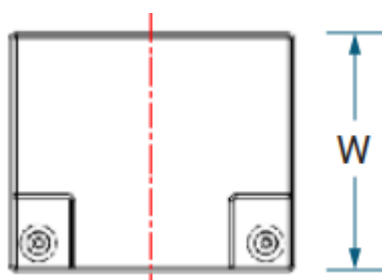
**H:170mm**



## PowerCube-1240

|                                    |                              |
|------------------------------------|------------------------------|
| Part Number                        | PowerCube-1240(26700 4.0Ah)  |
| Nominal Capacity(0.2C to 10V@25°C) | 40Ah/512Wh                   |
| Nominal Voltage                    | 12.8V                        |
| Self- Discharge Rate per month     | ≤3%                          |
| Max Discharge current              | 40A                          |
| Max Charge current                 | 40A                          |
| Discharge Cut-off Voltage          | 10.0V                        |
| Charge Cut-off Voltage             | 14.6V                        |
| Cycle Life (@DOD 100%)             | 2000                         |
| Life Expectancy (Years)            | 5 years at one cycle per day |
| Case Material                      | ABS                          |
| Cell Chemistry                     | LiFePo4                      |
| Assembly Method                    | 4S10P                        |
| Series Connection                  | 4 in series                  |
| Parallel Connection                | 4 in parallel                |
| Dimension (L x W x H)              | 195*133*171mm                |
| Terminal Type                      | M8                           |
| Charge Temperature Range           | 0°C-50°C                     |
| Discharge Temperature Range        | -20°C-60°C                   |
| Storage Temperature Range          | -20°C-40°C                   |
| Compliance                         | UN38.3                       |

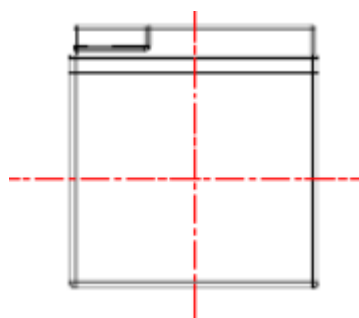
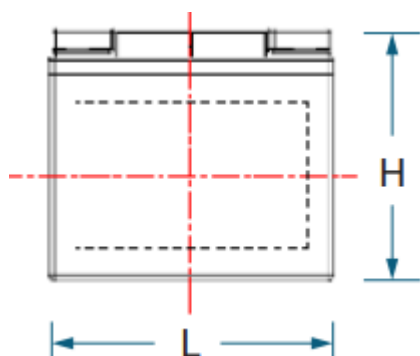
## DIMENSIONS



L : 195mm

W:133mm

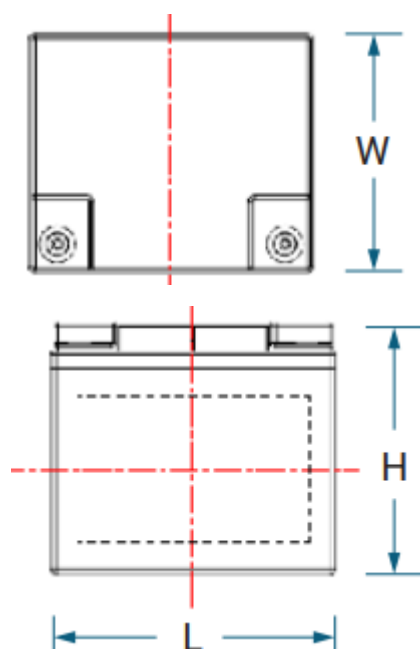
H:171mm



## PowerCube-1250

|                                    |                              |
|------------------------------------|------------------------------|
| Part Number                        | PowerCube-1250(26700 5.0Ah)  |
| Nominal Capacity(0.2C to 10V@25°C) | 50Ah/640Wh                   |
| Nominal Voltage                    | 12.8V                        |
| Self- Discharge Rate per month     | ≤3%                          |
| Max Discharge current              | 50A                          |
| Max Charge current                 | 50A                          |
| Discharge Cut-off Voltage          | 10.0V                        |
| Charge Cut-off Voltage             | 14.6V                        |
| Cycle Life (@DOD 100%)             | 2000                         |
| Life Expectancy (Years)            | 5 years at one cycle per day |
| Case Material                      | ABS                          |
| Cell Chemistry                     | LiFePo4                      |
| Assembly Method                    | 4S10P                        |
| Series Connection                  | 4 in series                  |
| Parallel Connection                | 4 in parallel                |
| Dimension (L x W x H)              | 195*133*171mm                |
| Terminal Type                      | M8                           |
| Charge Temperature Range           | 0°C-50°C                     |
| Discharge Temperature Range        | -20°C-60°C                   |
| Storage Temperature Range          | -20°C-40°C                   |
| Compliance                         | UN38.3                       |

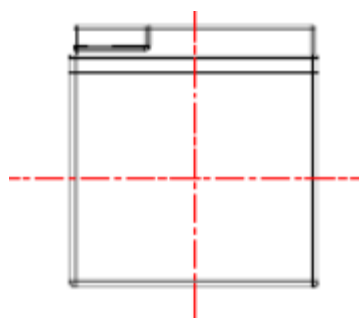
## DIMENSIONS



L : 195mm

W:133mm

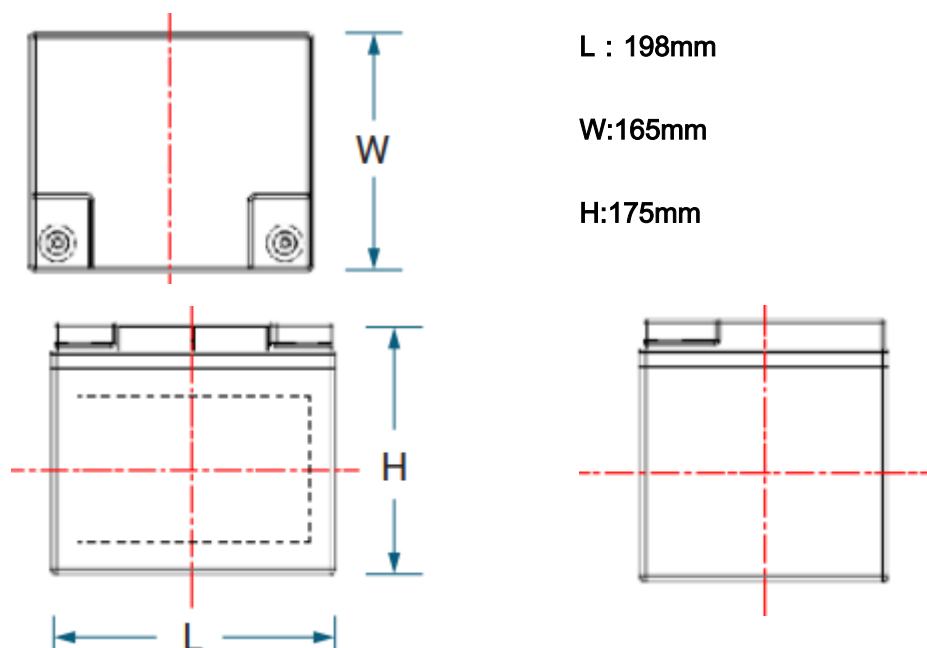
H:171mm



## PowerCube-1275

|                                    |                              |
|------------------------------------|------------------------------|
| Part Number                        | PowerCube-1275 (26700 5.0Ah) |
| Nominal Capacity(0.2C to 10V@25°C) | 75Ah/960Wh                   |
| Nominal Voltage                    | 12.8V                        |
| Self- Discharge Rate per month     | ≤3%                          |
| Max Discharge current              | 80A                          |
| Max Charge current                 | 75A                          |
| Discharge Cut-off Voltage          | 10.0V                        |
| Charge Cut-off Voltage             | 14.6V                        |
| Cycle Life (@DOD 100%)             | 2000                         |
| Life Expectancy (Years)            | 5 years at one cycle per day |
| Case Material                      | ABS                          |
| Cell Chemistry                     | LiFePo4                      |
| Assembly Method                    | 4S15P                        |
| Series Connection                  | 4 in series                  |
| Parallel Connection                | 4 in parallel                |
| Dimension (L x W x H)              | 197*166*171mm                |
| Terminal Type                      | M8                           |
| Charge Temperature Range           | 0°C-50°C                     |
| Discharge Temperature Range        | -20°C-60°C                   |
| Storage Temperature Range          | -20°C-40°C                   |
| Compliance                         | UN38.3                       |

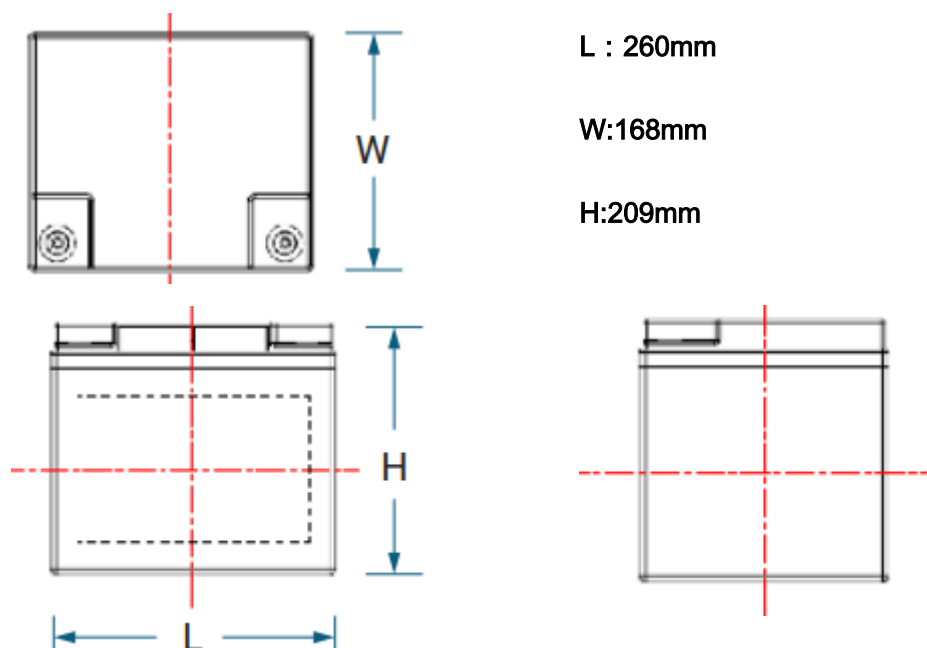
## DIMENSIONS



## PowerCube-12100

|                                    |                              |
|------------------------------------|------------------------------|
| Part Number                        | PowerCube-12100(26700 5.0Ah) |
| Nominal Capacity(0.2C to 10V@25°C) | 100Ah/1280Wh                 |
| Nominal Voltage                    | 12.8V                        |
| Self- Discharge Rate per month     | ≤3%                          |
| Max Discharge current              | 100A                         |
| Max Charge current                 | 100A                         |
| Discharge Cut-off Voltage          | 10.0V                        |
| Charge Cut-off Voltage             | 14.6V                        |
| Cycle Life (@DOD 100%)             | 2000                         |
| Life Expectancy (Years)            | 5 years at one cycle per day |
| Case Material                      | ABS                          |
| Cell Chemistry                     | LiFePo4                      |
| Assembly Method                    | 4S15P                        |
| Series Connection                  | 4 in series                  |
| Parallel Connection                | 4 in parallel                |
| Dimension (L x W x H)              | 260*168*209mm                |
| Terminal Type                      | M8                           |
| Charge Temperature Range           | 0°C-50°C                     |
| Discharge Temperature Range        | -20°C-60°C                   |
| Storage Temperature Range          | -20°C-40°C                   |
| Compliance                         | UN38.3                       |

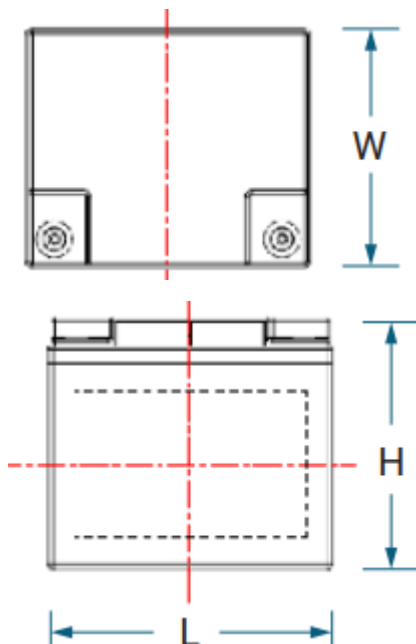
## DIMENSIONS



## PowerCube-2450

|                                    |                              |
|------------------------------------|------------------------------|
| Part Number                        | PowerCube-2450(26700 5.0Ah)  |
| Nominal Capacity(0.2C to 10V@25°C) | 50Ah/1280Wh                  |
| Nominal Voltage                    | 25.6V                        |
| Self- Discharge Rate per month     | ≤3%                          |
| Max Discharge current              | 50A                          |
| Max Charge current                 | 50A                          |
| Discharge Cut-off Voltage          | 20.0V                        |
| Charge Cut-off Voltage             | 29.2V                        |
| Cycle Life (@DOD 100%)             | 2000                         |
| Life Expectancy (Years)            | 5 years at one cycle per day |
| Case Material                      | ABS                          |
| Cell Chemistry                     | LiFePo4                      |
| Assembly Method                    | 8S10P                        |
| Series Connection                  | 2 in series                  |
| Parallel Connection                | 4 in parallel                |
| Dimension (L x W x H)              | 260*168*209mm                |
| Terminal Type                      | M8                           |
| Charge Temperature Range           | 0°C-50°C                     |
| Discharge Temperature Range        | -20°C-60°C                   |
| Storage Temperature Range          | -20°C-40°C                   |
| Compliance                         | UN38.3                       |

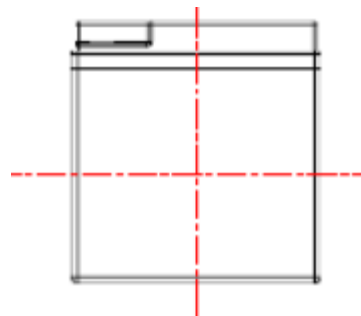
## DIMENSIONS



L : 260mm

W:168mm

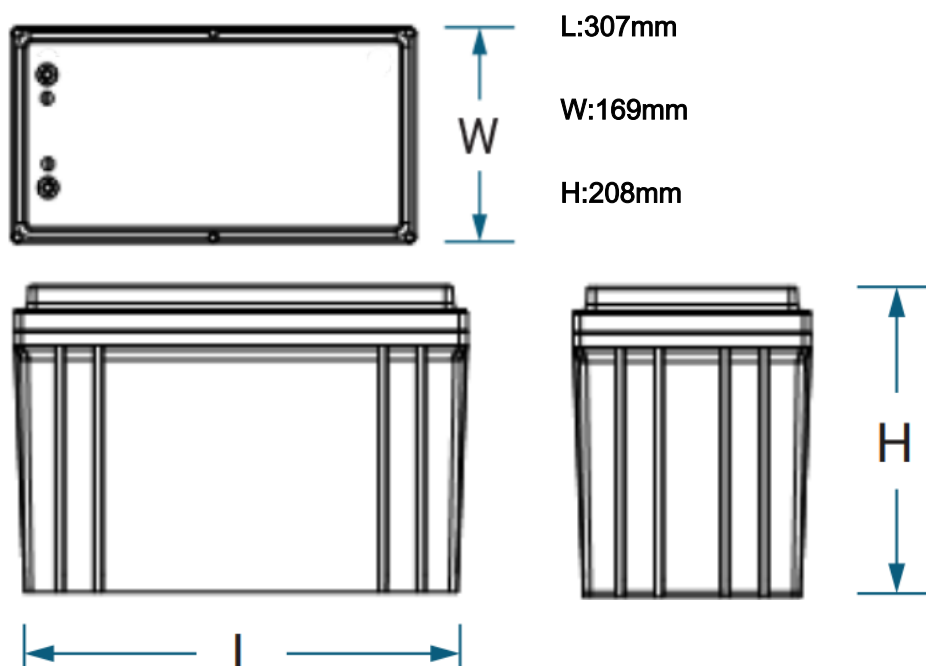
H:209mm



## PowerCube-12150

|                                    |                               |
|------------------------------------|-------------------------------|
| Part Number                        | PowerCube-12150 (26700 5.0Ah) |
| Nominal Capacity(0.2C to 10V@25°C) | 150Ah/1920Wh                  |
| Nominal Voltage                    | 12.8V                         |
| Self- Discharge Rate per month     | ≤3%                           |
| Max Discharge current              | 150A                          |
| Max Charge current                 | 150A                          |
| Discharge Cut-off Voltage          | 10.0V                         |
| Charge Cut-off Voltage             | 14.6V                         |
| Cycle Life (@DOD 100%)             | 2000                          |
| Life Expectancy (Years)            | 5 years at one cycle per day  |
| Case Material                      | ABS                           |
| Cell Chemistry                     | LiFePo4                       |
| Assembly Method                    | 4S30P                         |
| Series Connection                  | 4 in series                   |
| Parallel Connection                | 4 in parallel                 |
| Dimension (L x W x H)              | 307*169*208mm                 |
| Terminal Type                      | M8                            |
| Charge Temperature Range           | 0°C-50°C                      |
| Discharge Temperature Range        | -20°C-60°C                    |
| Storage Temperature Range          | -20°C-40°C                    |
| Compliance                         | UN38.3                        |

## DIMENSIONS



## PowerCube-2475

|                                    |                              |
|------------------------------------|------------------------------|
| Part Number                        | PowerCube-2475 (26700 5.0Ah) |
| Nominal Capacity(0.2C to 10V@25°C) | 75Ah/1920Wh                  |
| Nominal Voltage                    | 25.6V                        |
| Self- Discharge Rate per month     | ≤3%                          |
| Max Discharge current              | 80A                          |
| Max Charge current                 | 75A                          |
| Discharge Cut-off Voltage          | 20.0V                        |
| Charge Cut-off Voltage             | 29.2V                        |
| Cycle Life (@DOD 100%)             | 2000                         |
| Life Expectancy (Years)            | 5 years at one cycle per day |
| Case Material                      | ABS                          |
| Cell Chemistry                     | LiFePo4                      |
| Assembly Method                    | 8S15P                        |
| Series Connection                  | 2 in series                  |
| Parallel Connection                | 4 in parallel                |
| Dimension (L x W x H)              | 307*169*208mm                |
| Terminal Type                      | M8                           |
| Charge Temperature Range           | 0°C-50°C                     |
| Discharge Temperature Range        | -20°C-60°C                   |
| Storage Temperature Range          | -20°C-40°C                   |
| Compliance                         | UN38.3                       |

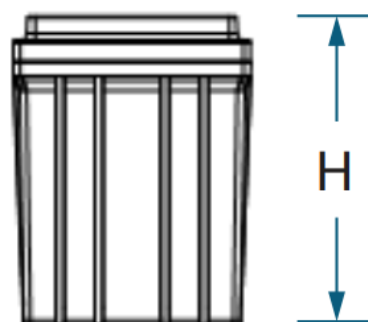
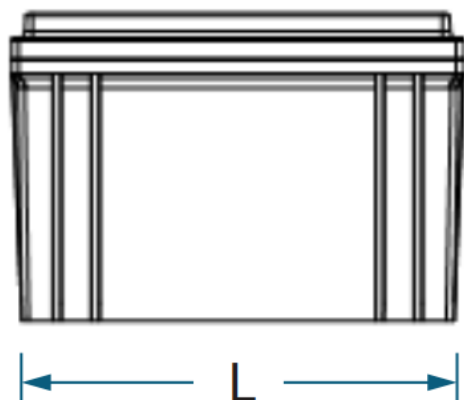
## DIMENSIONS



L:307mm

W:169mm

H:208mm



## PowerCube-12165-G31

|                                    |                              |
|------------------------------------|------------------------------|
| Part Number                        | PowerCube-12165-G31          |
| Nominal Capacity(0.2C to 10V@25°C) | 165Ah/2112Wh                 |
| Nominal Voltage                    | 12.8V                        |
| Self- Discharge Rate per month     | ≤3%                          |
| Max Discharge current              | 150A                         |
| Max Charge current                 | 150A                         |
| Discharge Cut-off Voltage          | 10.0V                        |
| Charge Cut-off Voltage             | 14.6V                        |
| Cycle Life (@DOD 100%)             | 2000                         |
| Life Expectancy (Years)            | 5 years at one cycle per day |
| Case Material                      | ABS                          |
| Cell Chemistry                     | LiFePo4                      |
| Assembly Method                    | 4S33P                        |
| Series Connection                  | 4 in series                  |
| Parallel Connection                | 4 in parallel                |
| Dimension (L x W x H)              | 330*172*215mm                |
| Terminal Type                      | M8                           |
| Charge Temperature Range           | 0°C-50°C                     |
| Discharge Temperature Range        | -20°C-60°C                   |
| Storage Temperature Range          | -20°C-40°C                   |
| Compliance                         | UN38.3                       |

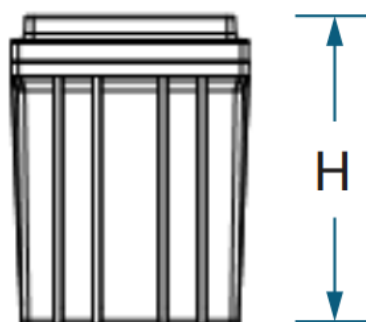
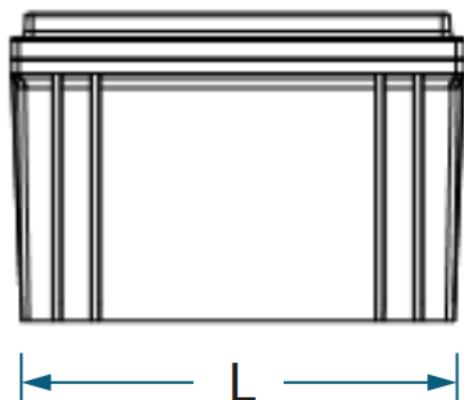
## DIMENSIONS



L:330mm

W:172mm

H:215mm



## PowerCube-2580-G31

|                                    |                              |
|------------------------------------|------------------------------|
| Part Number                        | PowerCube-2580-G31           |
| Nominal Capacity(0.2C to 10V@25°C) | 80Ah/2048Wh                  |
| Nominal Voltage                    | 25.6V                        |
| Self- Discharge Rate per month     | ≤3%                          |
| Max Discharge current              | 80A                          |
| Max Charge current                 | 80A                          |
| Discharge Cut-off Voltage          | 20.0V                        |
| Charge Cut-off Voltage             | 29.2V                        |
| Cycle Life (@DOD 100%)             | 2000                         |
| Life Expectancy (Years)            | 5 years at one cycle per day |
| Case Material                      | ABS                          |
| Cell Chemistry                     | LiFePo4                      |
| Assembly Method                    | 8S16P                        |
| Series Connection                  | 2 in series                  |
| Parallel Connection                | 4 in parallel                |
| Dimension (L x W x H)              | 330*172*215mm                |
| Terminal Type                      | M8                           |
| Charge Temperature Range           | 0°C-50°C                     |
| Discharge Temperature Range        | -20°C-60°C                   |
| Storage Temperature Range          | -20°C-40°C                   |
| Compliance                         | UN38.3                       |

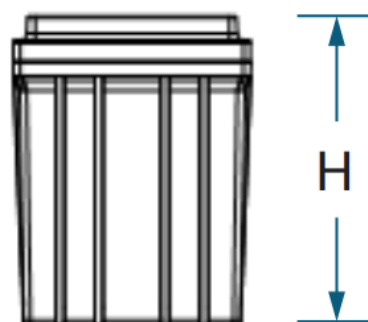
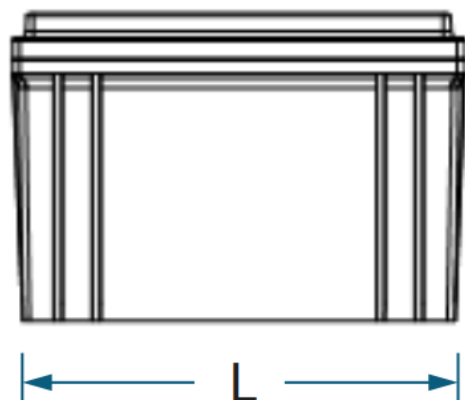
## DIMENSIONS



L:330mm

W:172mm

H:215mm



## PowerCube-3655-G31

|                                    |                              |
|------------------------------------|------------------------------|
| Part Number                        | PowerCube-3655-G31           |
| Nominal Capacity(0.2C to 10V@25°C) | 55Ah/2112Wh                  |
| Nominal Voltage                    | 38.4V                        |
| Self- Discharge Rate per month     | ≤3%                          |
| Max Discharge current              | 50A                          |
| Max Charge current                 | 50A                          |
| Discharge Cut-off Voltage          | 30.0V                        |
| Charge Cut-off Voltage             | 43.8V                        |
| Cycle Life (@DOD 100%)             | 2000                         |
| Life Expectancy (Years)            | 5 years at one cycle per day |
| Case Material                      | ABS                          |
| Cell Chemistry                     | LiFePo4                      |
| Assembly Method                    | 12S11P                       |
| Series Connection                  | 1 in series                  |
| Parallel Connection                | 4 in parallel                |
| Dimension (L x W x H)              | 330*172*215mm                |
| Terminal Type                      | M8                           |
| Charge Temperature Range           | 0°C-50°C                     |
| Discharge Temperature Range        | -20°C-60°C                   |
| Storage Temperature Range          | -20°C-40°C                   |
| Compliance                         | UN38.3                       |

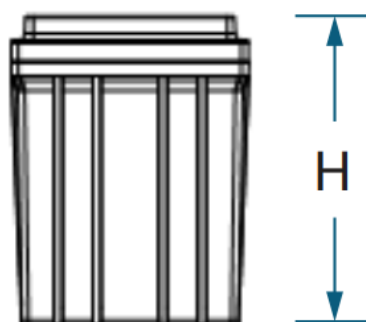
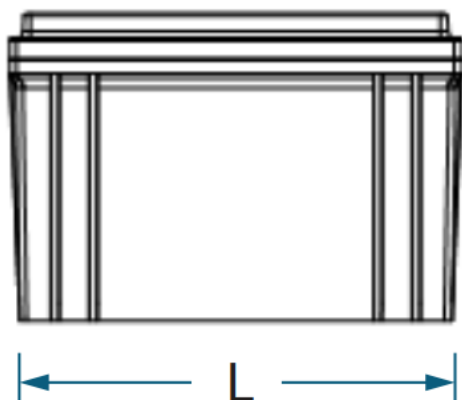
## DIMENSIONS



L:330mm

W:172mm

H:215mm



## PowerCube-12260

|                                    |                              |
|------------------------------------|------------------------------|
| Part Number                        | PowerCube-12260              |
| Nominal Capacity(0.2C to 10V@25°C) | 260Ah/3328Wh                 |
| Nominal Voltage                    | 12.8V                        |
| Self- Discharge Rate per month     | ≤3%                          |
| Max Discharge current              | 150A                         |
| Max Charge current                 | 130A                         |
| Discharge Cut-off Voltage          | 10.0V                        |
| Charge Cut-off Voltage             | 14.6V                        |
| Cycle Life (@DOD 100%)             | 2000                         |
| Life Expectancy (Years)            | 5 years at one cycle per day |
| Case Material                      | ABS                          |
| Cell Chemistry                     | LiFePo4                      |
| Assembly Method                    | 4S52P                        |
| Series Connection                  | 4 in series                  |
| Parallel Connection                | 4 in parallel                |
| Dimension (L x W x H)              | 483*170*240mm                |
| Terminal Type                      | M8                           |
| Charge Temperature Range           | 0°C-50°C                     |
| Discharge Temperature Range        | -20°C-60°C                   |
| Storage Temperature Range          | -20°C-40°C                   |
| Compliance                         | UN38.3                       |

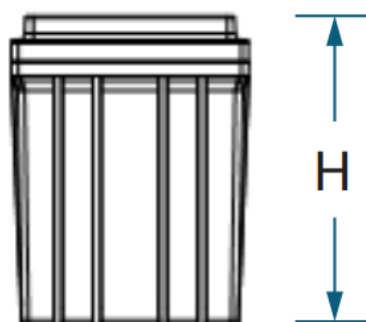
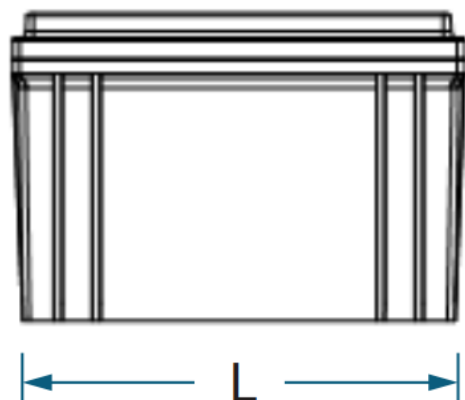
## DIMENSIONS



L:483mm

W:170mm

H:240mm



## PowerCube-12300

|                                    |                              |
|------------------------------------|------------------------------|
| Part Number                        | PowerCube-12300              |
| Nominal Capacity(0.2C to 10V@25°C) | 300Ah/3840Wh                 |
| Nominal Voltage                    | 12.8V                        |
| Self- Discharge Rate per month     | ≤3%                          |
| Max Discharge current              | 150A                         |
| Max Charge current                 | 150A                         |
| Discharge Cut-off Voltage          | 10.0V                        |
| Charge Cut-off Voltage             | 14.6V                        |
| Cycle Life (@DOD 100%)             | 2000                         |
| Life Expectancy (Years)            | 5 years at one cycle per day |
| Case Material                      | ABS                          |
| Cell Chemistry                     | LiFePo4                      |
| Assembly Method                    | 4S60P                        |
| Series Connection                  | 4 in series                  |
| Parallel Connection                | 4 in parallel                |
| Dimension (L x W x H)              | 520*269*220mm                |
| Terminal Type                      | M8                           |
| Charge Temperature Range           | 0°C-50°C                     |
| Discharge Temperature Range        | -20°C-60°C                   |
| Storage Temperature Range          | -20°C-40°C                   |
| Compliance                         | UN38.3                       |

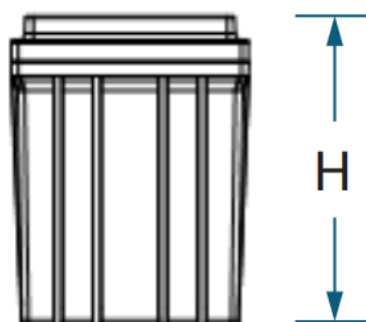
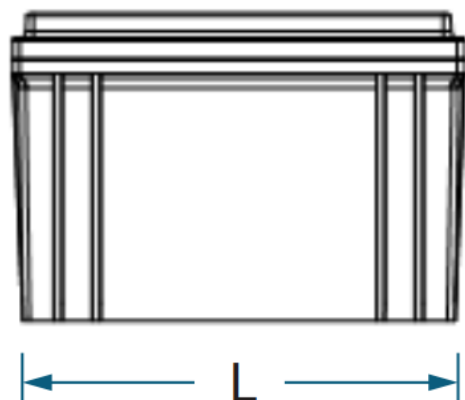
## DIMENSIONS



L:520mm

W:269mm

H:220mm



## PowerCube-24150

|                                    |                              |
|------------------------------------|------------------------------|
| Part Number                        | PowerCube-24150              |
| Nominal Capacity(0.2C to 10V@25oC) | 150Ah/3840Wh                 |
| Nominal Voltage                    | 25.6V                        |
| Self- Discharge Rate per month     | ≤3%                          |
| Max Discharge current              | 150A                         |
| Max Charge current                 | 150A                         |
| Discharge Cut-off Voltage          | 20.0V                        |
| Charge Cut-off Voltage             | 29.2V                        |
| Cycle Life (@DOD 100%)             | 2000                         |
| Life Expectancy (Years)            | 5 years at one cycle per day |
| Case Material                      | ABS                          |
| Cell Chemistry                     | LiFePo4                      |
| Assembly Method                    | 8S30P                        |
| Series Connection                  | 2 in series                  |
| Parallel Connection                | 4 in parallel                |
| Dimension (L x W x H)              | 520*269*220mm                |
| Terminal Type                      | M8                           |
| Charge Temperature Range           | 0°C-50°C                     |
| Discharge Temperature Range        | -20°C-60°C                   |
| Storage Temperature Range          | -20°C-40°C                   |
| Compliance                         | UN38.3                       |

## DIMENSIONS



L:520mm

W:269mm

H:220mm

