



Efficient Liquid Cooling ● Safe Energy Storage

WALMATE TECH

Energy Storage Liquid Cooling Solution

Walmate  
Technology





## WALMATE

Guangdong Walmate technology has been engaged in thermal management for more than ten years. The company provides thermal management solutions for energy storage systems, electric vehicles, artificial intelligence and other fields.

It continuously focuses on the development and manufacturing of core structural components such as heat sinks, battery trays, liquid cold plates, energy storage battery pack enclosures.

## Complete One-stop Processing Service

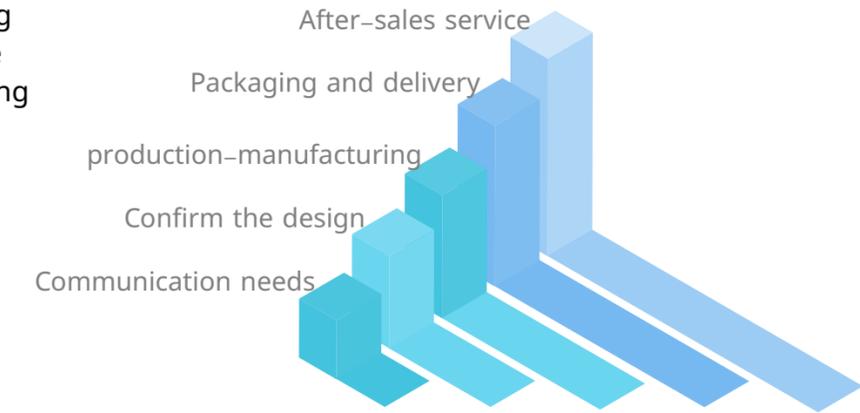
From thermal design support to prototype making to production, Walmate has a professional service team to customize the most appropriate processing plan for your project.



Specialized teams

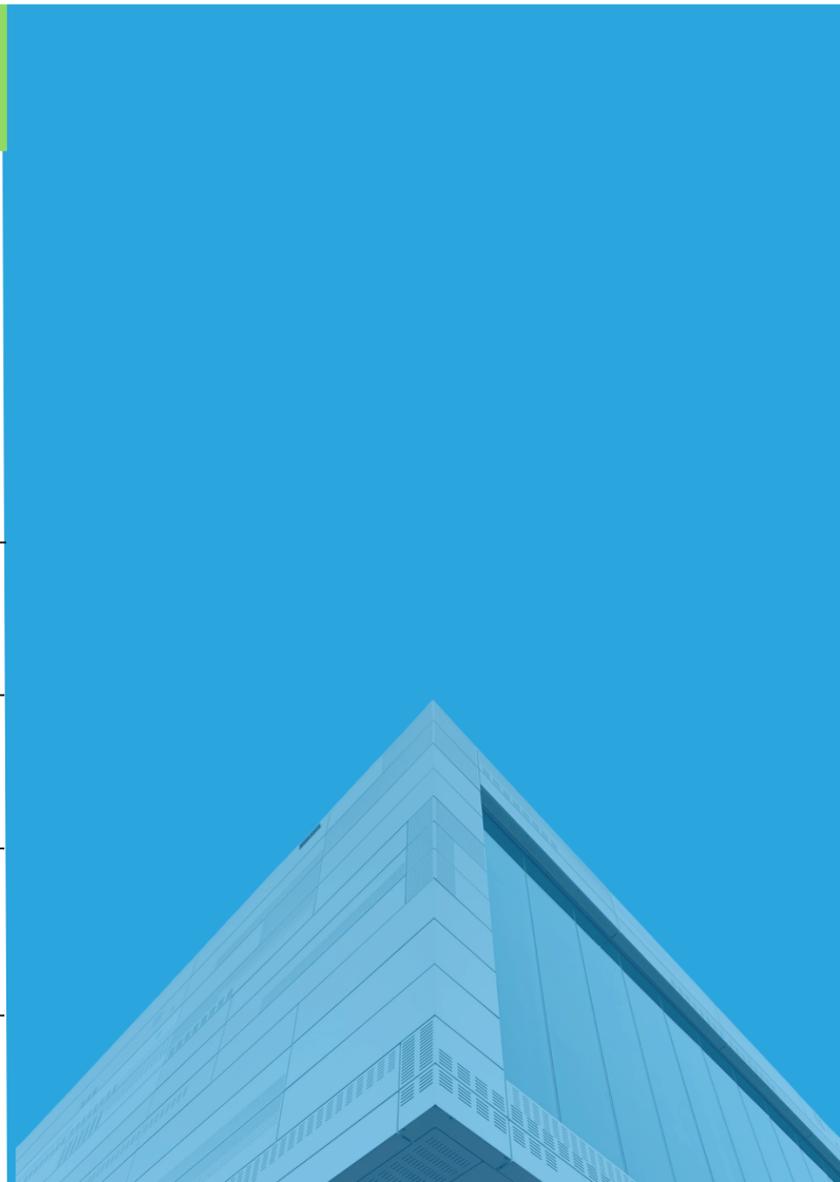


Digital manufacturing



# WALMATE Energy Storage Solutions

On-Product Information						
Application Scenarios	C&I energy storage				Grid-scale energy storage	314AH Module End Plate
Cell capacity	314AH					
Number of cells	48S	52S			104S	
Form	Flat Cold Plate/ Flanged Cold Plate (Customized According To Customer Drawings)					



# 1P48S

## C&I Energy Storage

Cell Capacity

314AH

Number Of Cells

48S

Overall Length

1033mm

Product Width

776mm

Product Height

10mm

Module Installation Hole Spacing

893.4mm

End-Plate Hole Pitch

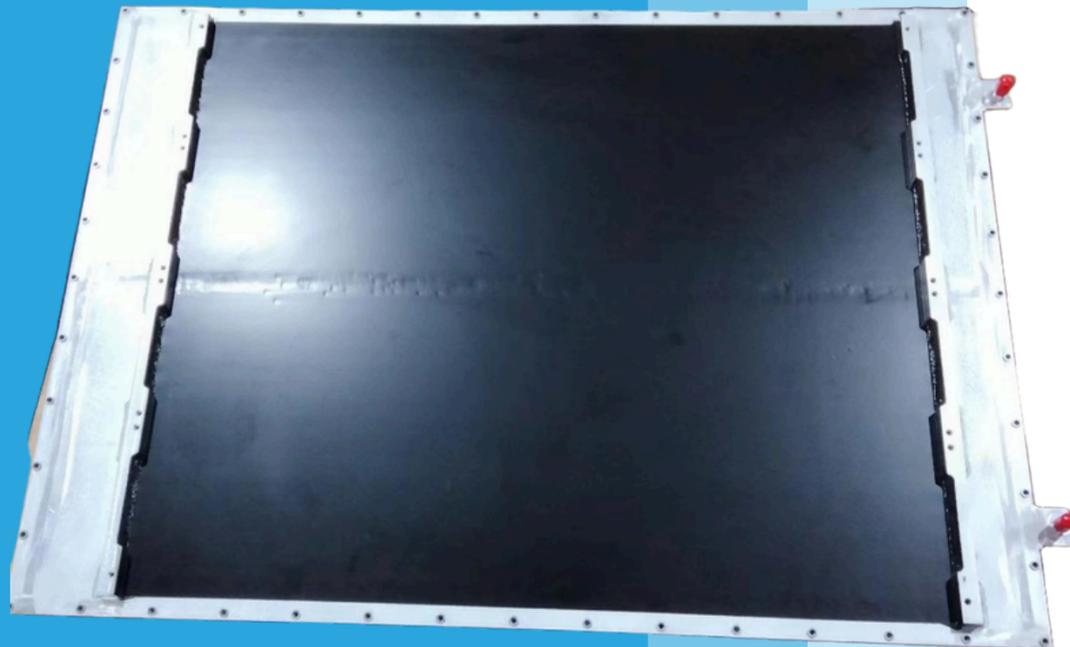
157mm

Water-Port OD

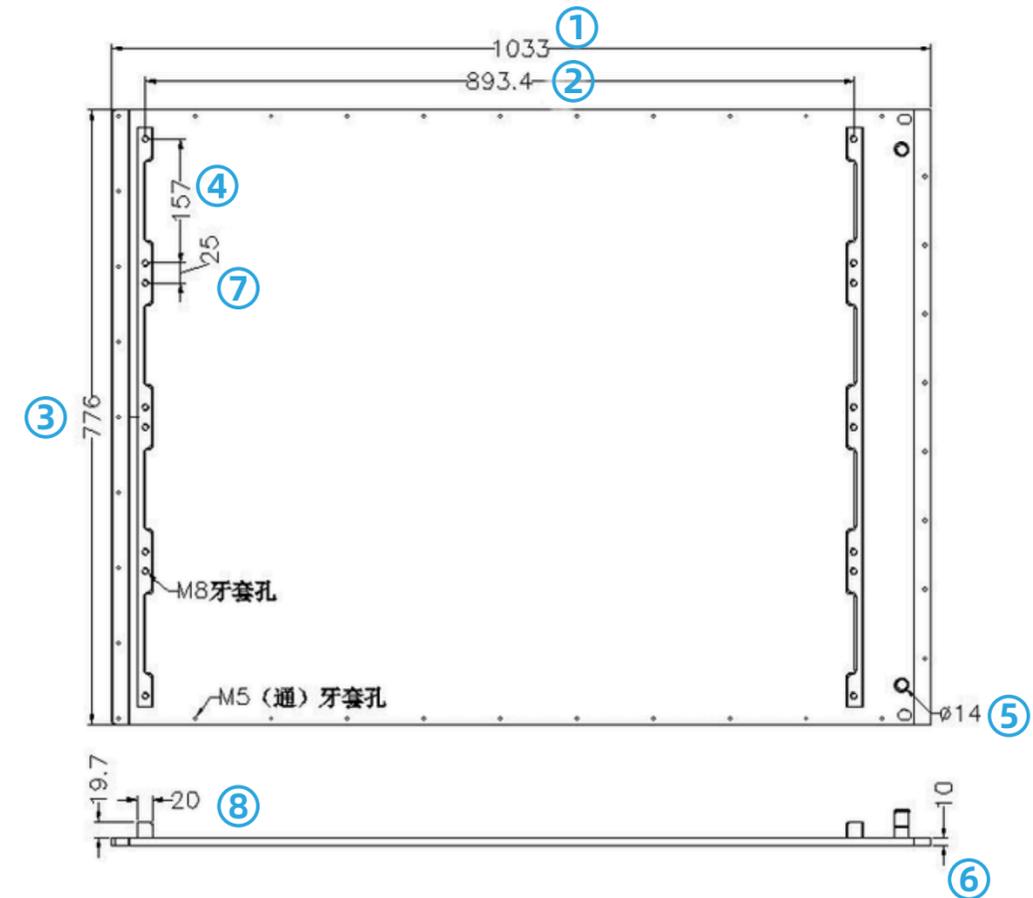
14mm

### Surface treatment (selectable)

Sandblasting  
Drawing  
Painting  
Anodizing  
Electroplating



## Sizing Specification



- ① The overall length of the product is 1033mm (adjustable according to the design drawings)
- ② Module installation hole spacing (length direction): 893.4mm (size can be adjusted)
- ③ Product width: 776mm (size is not adjustable)
- ④ End-plate hole pitch: 157mm (size can be adjusted)
- ⑤ Water-port OD: 14mm (the size is not adjustable)
- ⑥ Product height: 10mm (the size is not adjustable)
- ⑦ Module installation hole spacing (width direction): 25mm (size is not adjustable)
- ⑧ Cross Beam width: 20mm (size is not adjustable)

# 1P52S

## C&I Energy Storage

Cell Capacity

314AH

Number Of Cells

52S

Overall Length

1138mm

Product Width

790mm

Product Height

10mm

Module Installation  
Hole Spacing

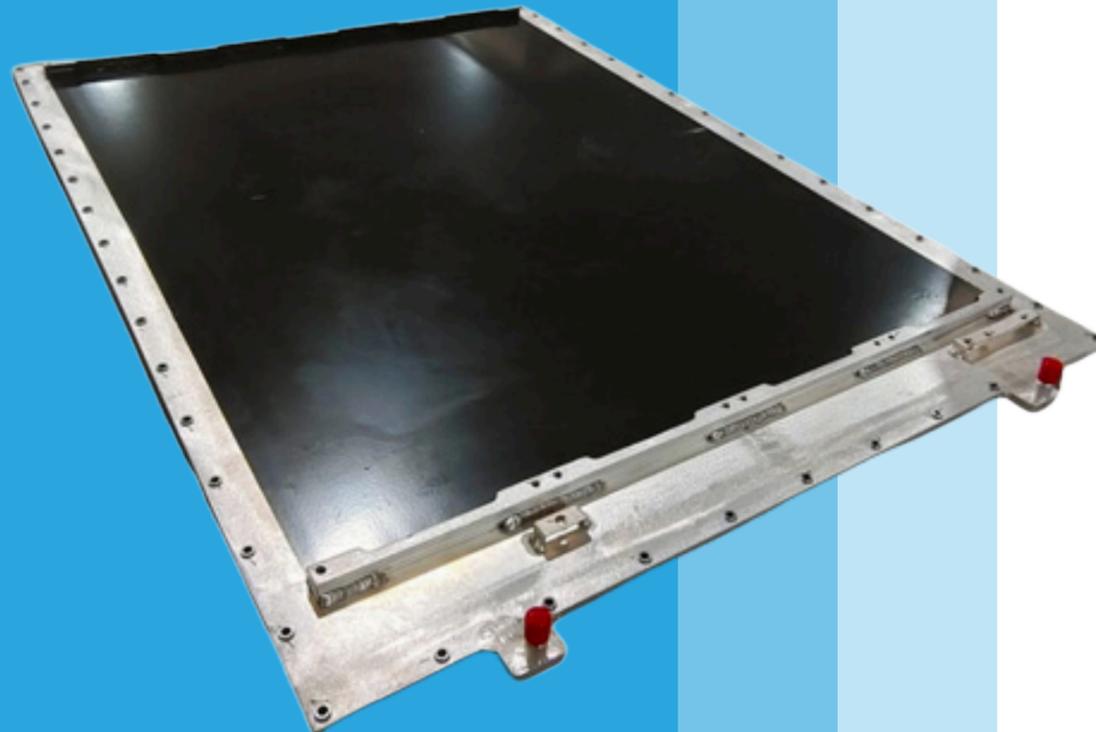
966mm

End-Plate Hole  
Pitch

162mm

Water-Port OD

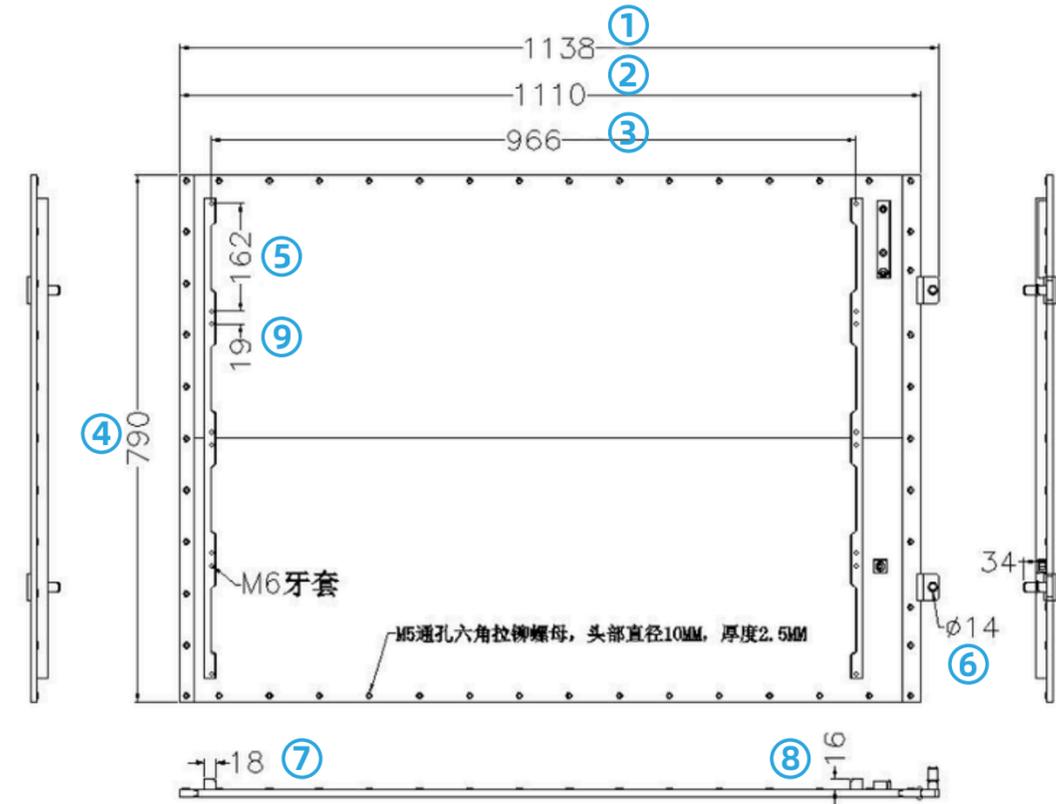
14mm



### Surface treatment (selectable)

Sandblasting  
Drawing  
Painting  
Anodizing  
Electroplating

## Sizing Specification



- ① The overall length of the product(including Water-Port OD): 1138mm (adjustable according to the design drawings)
- ② The overall length of the product (excluding Water-Port OD): 1110mm (adjustable according to design drawings)
- ③ Module installation hole spacing (length direction): 966mm (size can be adjusted)
- ④ Product width: 790mm (size is not adjustable)
- ⑤ End-plate hole pitch: 162mm (size can be adjusted)
- ⑥ Water-port OD: 14mm (size is not adjustable)
- ⑦ Cross Beam width: 18mm (size is not adjustable)
- ⑧ Cross Beam height: 16mm (size is not adjustable)
- ⑨ Module installation hole spacing (width direction): 19mm (size is not adjustable).

# 1P52S

## C&I Energy Storage

Cell Capacity

314AH

Number Of Cells

52S

Overall Length

1163.3mm

Product Width

809mm

Product Height

41mm

Module Installation  
Hole Spacing

965.3mm

End-Plate Hole  
Pitch

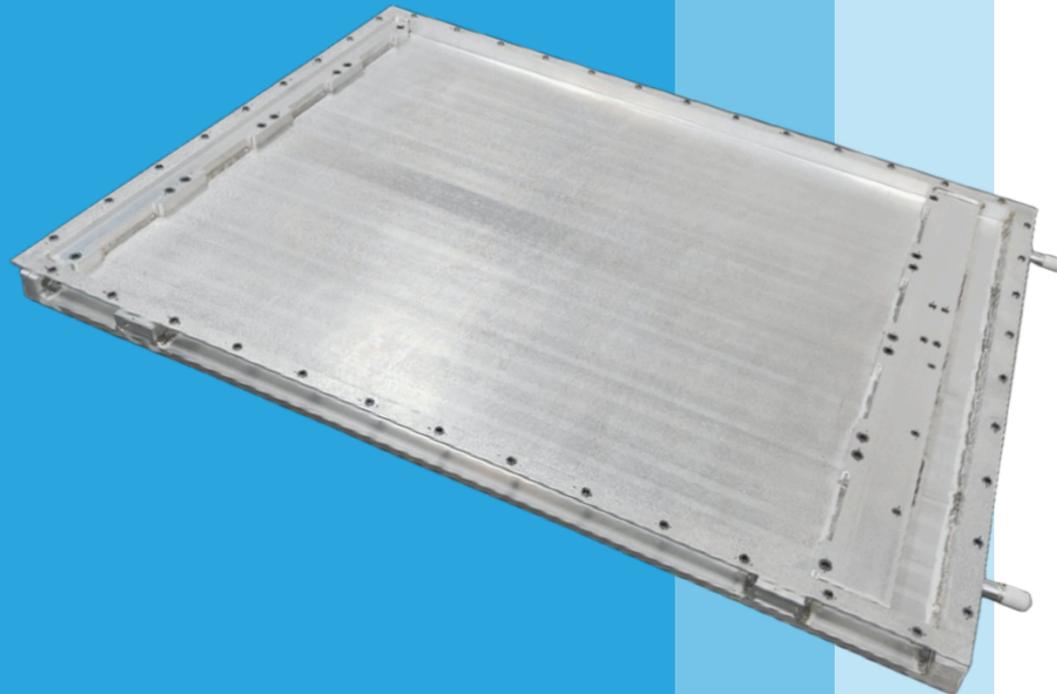
162mm

Water-Port OD

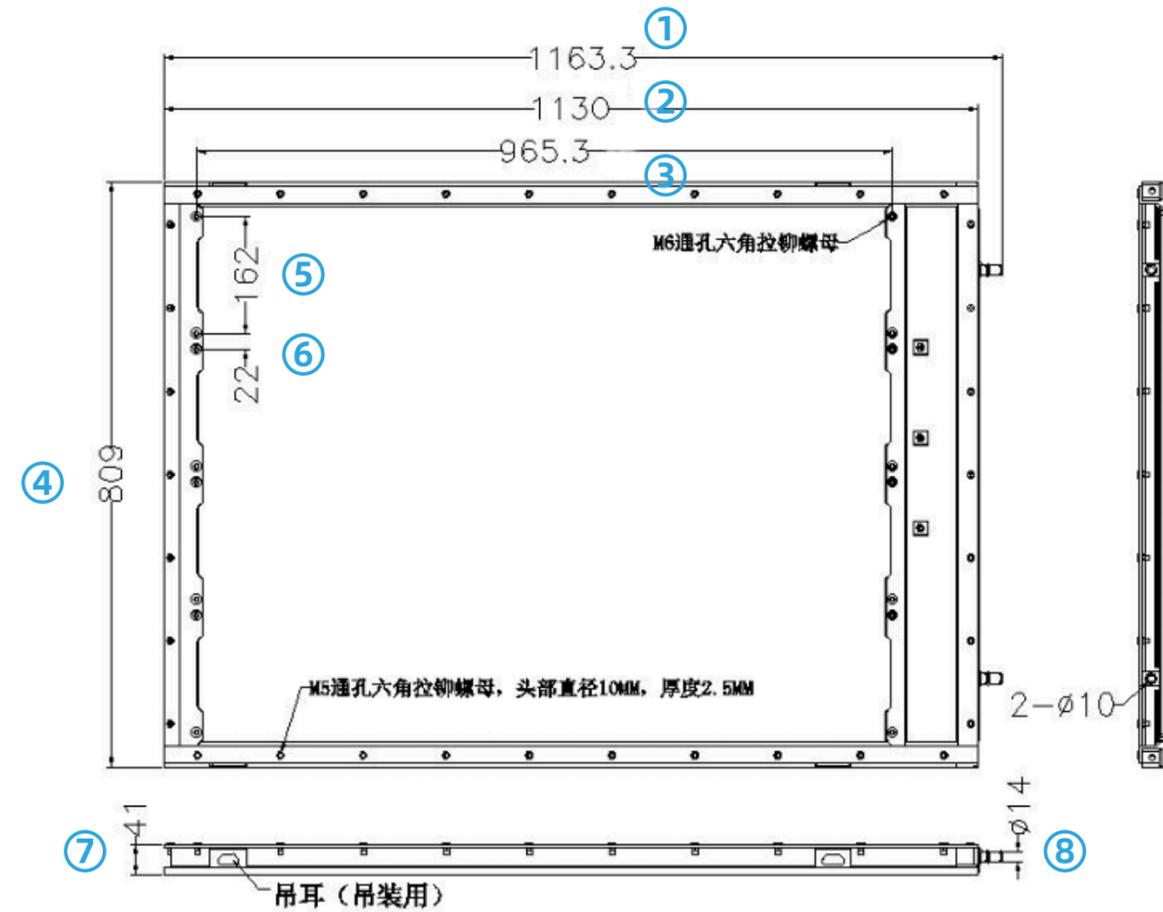
14mm

### Surface treatment (selectable)

Sandblasting  
Drawing  
Painting  
Anodizing  
Electroplating



## Sizing Specification



- ① The overall length of the product(including Water-Port OD): 1163.3mm (adjustable according to design drawings)
- ② The overall length of the product (excluding Water-Port OD): 1130mm (adjustable according to design drawings)
- ③ Module installation hole spacing (length direction): 965.3mm (size can be adjusted)
- ④ Product width: 809mm (size is not adjustable)
- ⑤ End-plate hole pitch: 162mm (size can be adjusted)
- ⑥ Module installation hole spacing (width direction): 22mm (size is not adjustable)
- ⑦ Product height: 41mm (size is not adjustable)
- ⑧ Water-port OD: 14mm (size is not adjustable)

# 1P104S

## Grid-scale energy storage

Cell Capacity

314AH

Number Of Cells

104S

Overall Length

2192.5mm

Product Width

790mm

Product Height

41mm

Module Installation Hole Spacing

977.1mm

End-Plate Hole Pitch

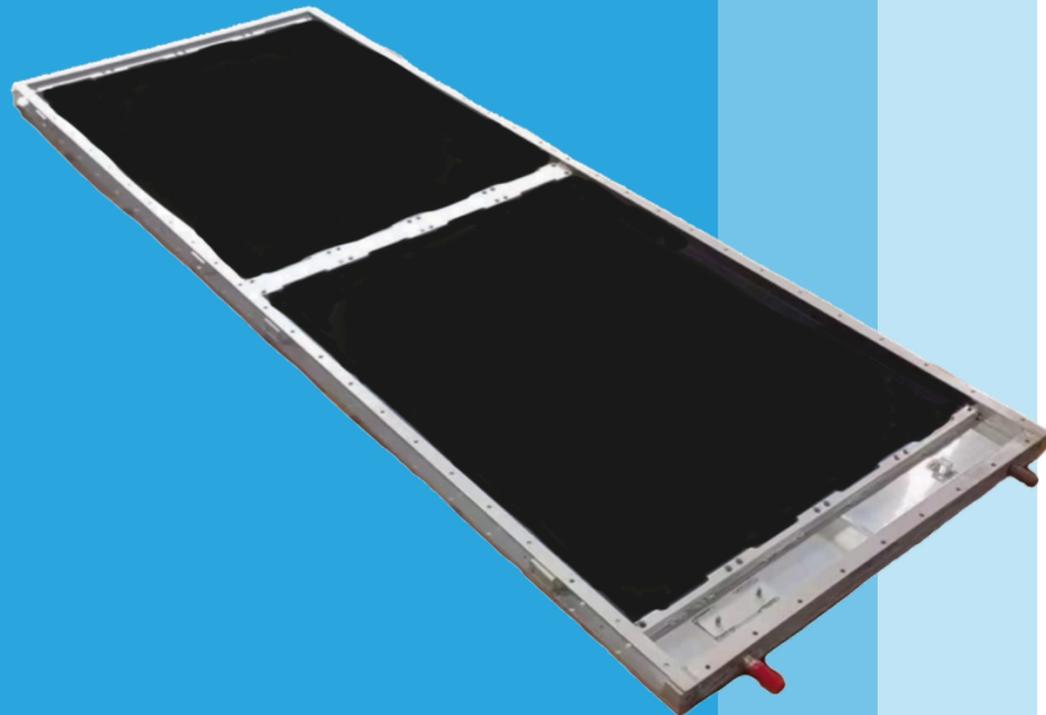
159mm

Water-Port OD

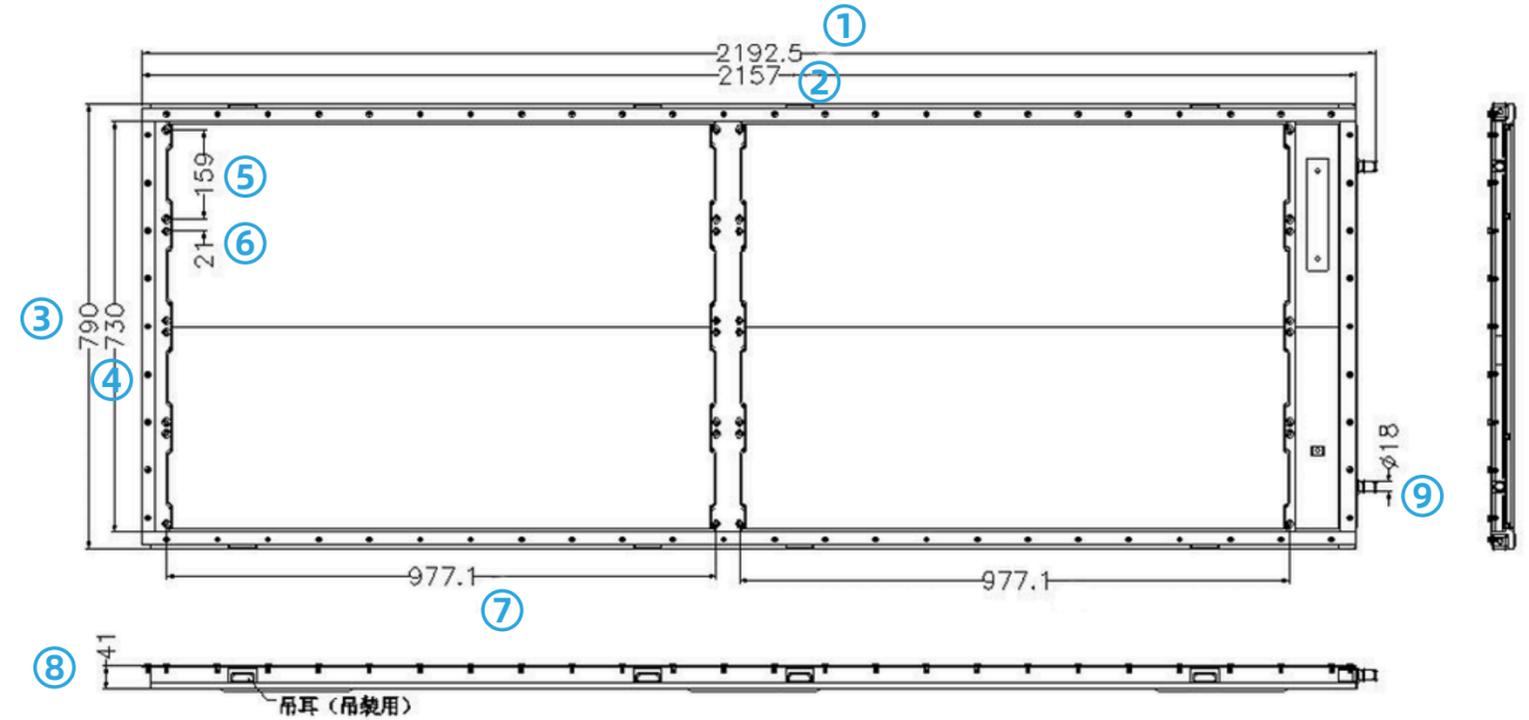
18mm

## Surface treatment (selectable)

Sandblasting  
Drawing  
Painting  
Anodizing  
Electroplating



## Sizing Specification



- ① Total length of the product (including nozzle): 2192.5mm (adjustable according to design drawings)
- ② Total length of the product (excluding nozzle): 2157mm (adjustable according to design drawings)
- ③ Product outer width: 790mm (size is not adjustable)
- ④ Product inner width: 730mm (size is not adjustable)
- ⑤ End-plate hole pitch: 159mm (size can be adjusted)
- ⑥ Module installation hole spacing (width direction): 21mm (size is not adjustable)
- ⑦ Module installation hole spacing (length direction): 977.1mm (size can be adjusted)
- ⑧ Product height: 41mm (size is not adjustable)
- ⑨ Water-port OD: 18mm (size is not adjustable)

# 1P52S

## C&I energy storage battery pack enclosure

Cell Capacity

314AH

Number Of Cells

52S

Overall Length

1220mm

Product Width

810mm

Product Height

265mm

Module Installation Hole Spacing

963.9mm

End-Plate Hole Pitch

159mm

Water-Port OD

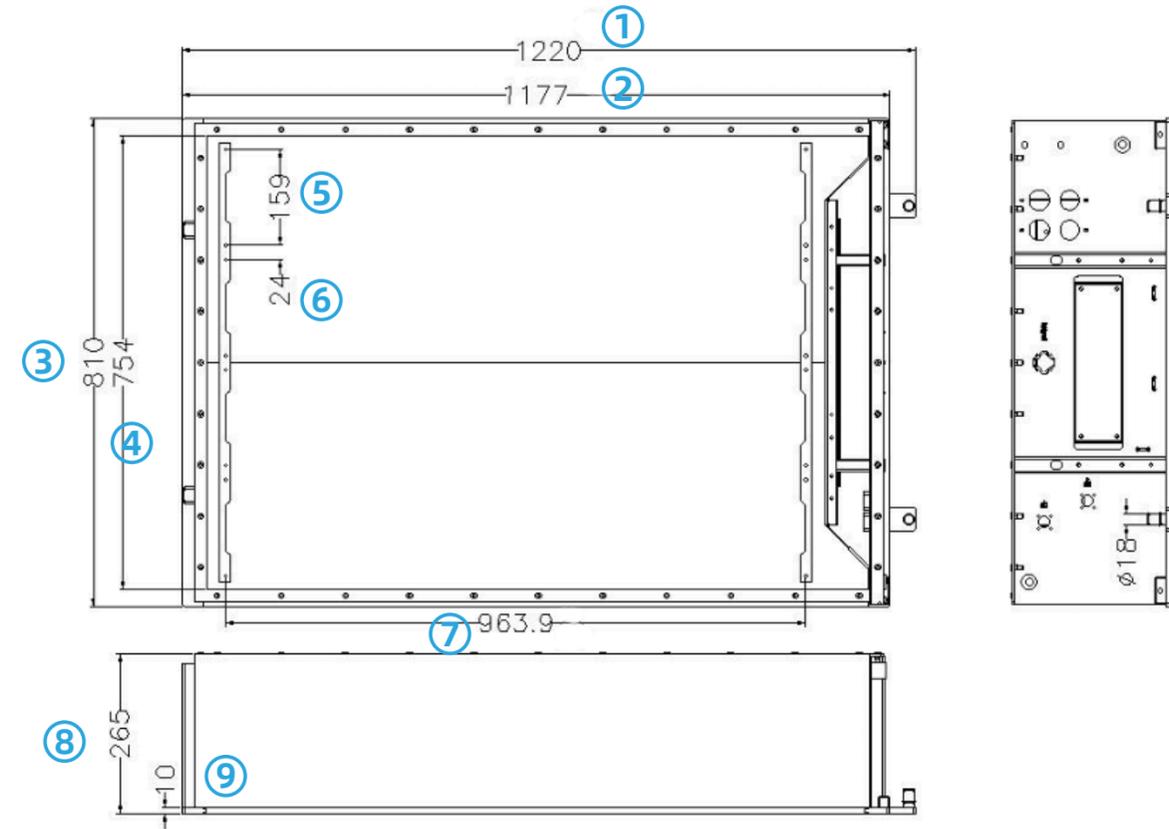
18mm

Surface treatment (selectable)

Sandblasting  
Drawing  
Painting  
Anodizing  
Electroplating



## Sizing Specification



- ① Total length of the product (including nozzle): 1220mm (adjustable according to design drawings)
- ② Total length of the product (excluding nozzle): 1177mm (adjustable according to design drawings)
- ③ Product outer width: 810mm (size is not adjustable)
- ④ Product inner width: 754mm (size is not adjustable)
- ⑤ End-plate hole pitch: 159mm (size can be adjusted)
- ⑥ Module installation hole spacing (width direction): 24mm (size is not adjustable)
- ⑦ Module installation hole spacing (length direction): 963.9mm (size can be adjusted)
- ⑧ Product height: 265mm (size is not adjustable)
- ⑨ Plate thickness: 10mm (size is not adjustable)

# 314AH

## 104S Dedicated End Plate Module

	End Plate Length	End Plate Width
End Plate A	175mm	20mm
End Plate B	175mm	16mm
End Plate C	350mm	20mm

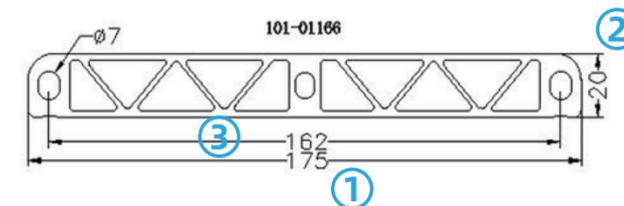
### Surface treatment (selectable)

- Sandblasting
- Drawing
- Painting
- Anodizing
- Electroplating

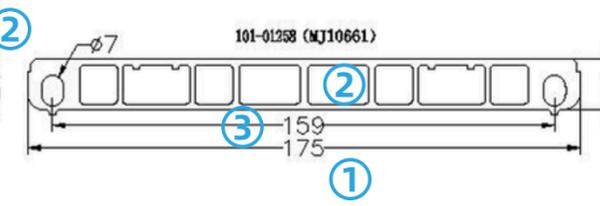


## Sizing Specification

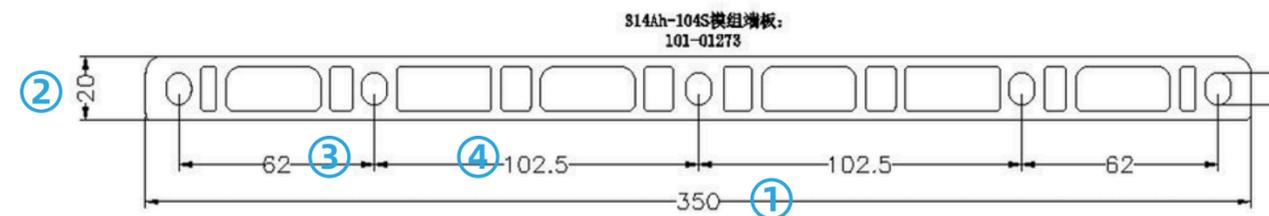
End Plate A



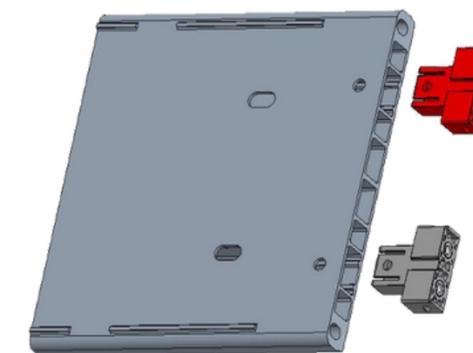
End Plate B



End Plate C



- ① Product Length
- ② Product Width
- ③ Waist Hole Distance
- ④ Waist Hole Distance





# Walmate Technology

The worlds professional one-stop manufacturer of heat dissipation components

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