



Efficient Liquid Cooling ● Safe Energy Storage

WALMATE TECH

Energy Storage Liquid Cooling Solution

Walmate  
Technology







### WALMATE

Guangdong Walmart 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 battery trays, liquid cooling plates, energy storage tanks and heat exchangers.

### Complete One-stop Processing Service

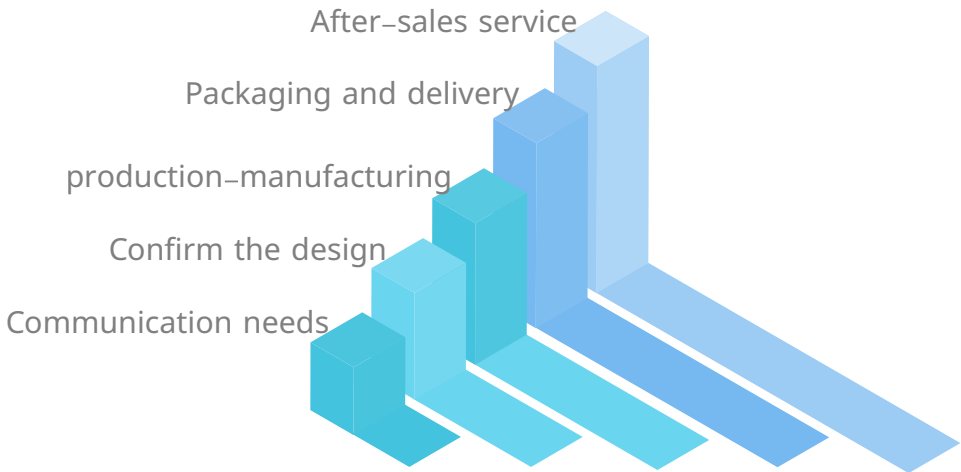
From thermal design support to prototype making to production, Metay has a professional service team to customize the most appropriate processing plan for your project.



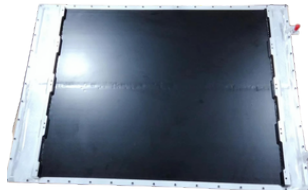

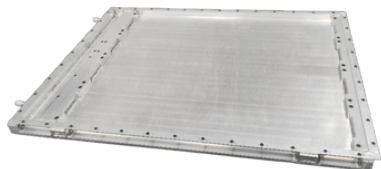
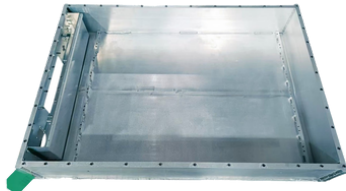

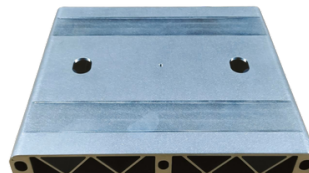
Specialized teams

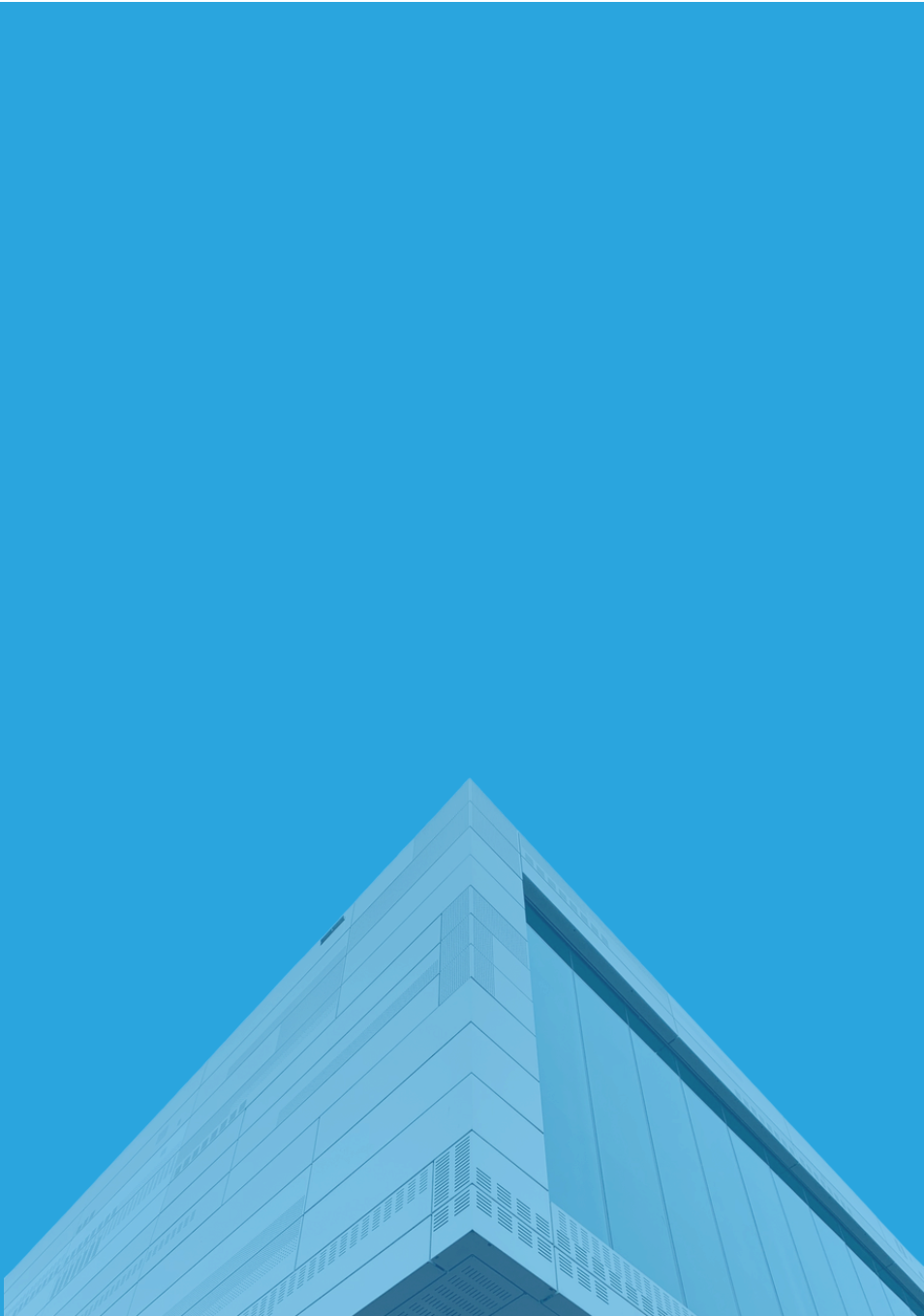


Digital manufacturing



## WALMATE Energy Storage Solutions

on-product information						
application scenarios	Industrial and commercial energy storage				Big storage	314AH module end plate
Cell capacity	314AH					
Number of cells	48S	52S			104S	
form	Plate/fan type (customized according to customer drawings)					



# 1P48S

Industrial and commercial energy storage  
liquid cooling plate

Cell Capacity

314AH

Number Of Cells

48S

Total Product Length

1033mm

Product Breadth

776mm

High Product  
Quality

10mm

Module Installation  
Hole Spacing

893.4mm

End Plate Hole  
Spacing

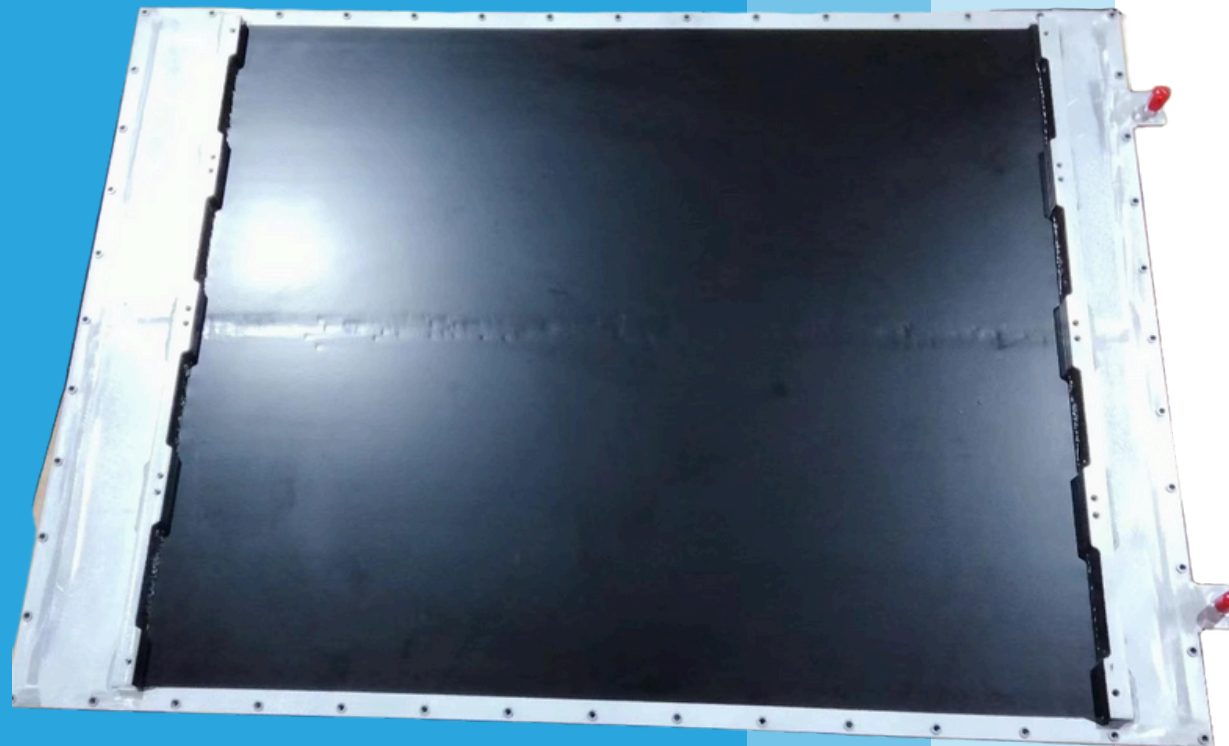
157mm

Outer Diameter Of  
Water Outlet

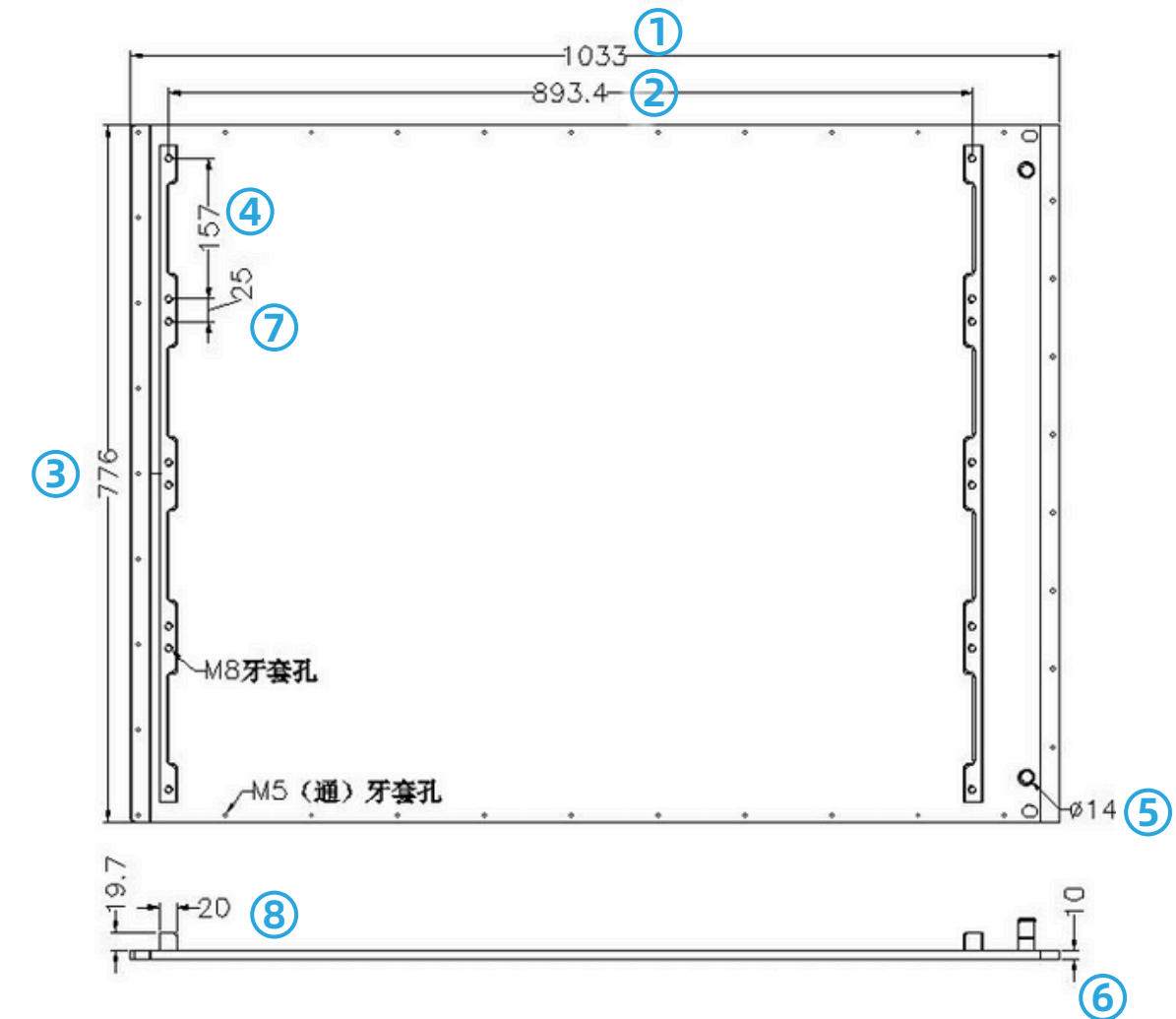
14mm

Surface  
Preparation

Sandblasting, drawing,  
painting, Anodizing,  
electroplating  
(selectable)



## Sizing Specification



- ① The total 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 Terminal board hole spacing: 157mm (size can be adjusted)
- ⑤ Water outlet diameter: 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 for the time being)
- ⑧ Beam width: 20mm (the size is not adjustable)

# 1P52S

Industrial and commercial energy storage  
liquid cooling plate

Cell Capacity

314AH

Number Of Cells

52S

Total Product Length

1138mm

Product Breadth

790mm

High Product  
Quality

10mm

Module Installation  
Hole Spacing

966mm

End Plate Hole  
Spacing

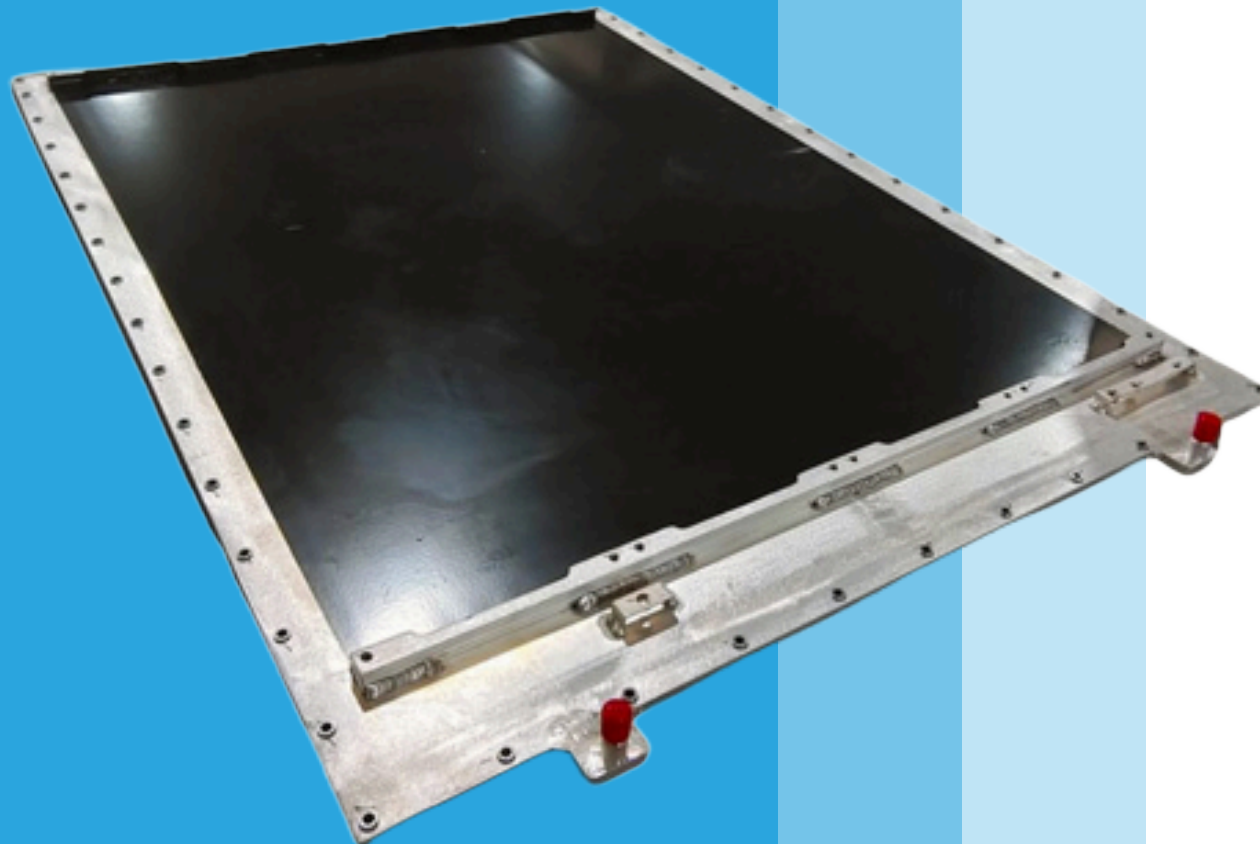
162mm

Outer Diameter Of  
Water Outlet

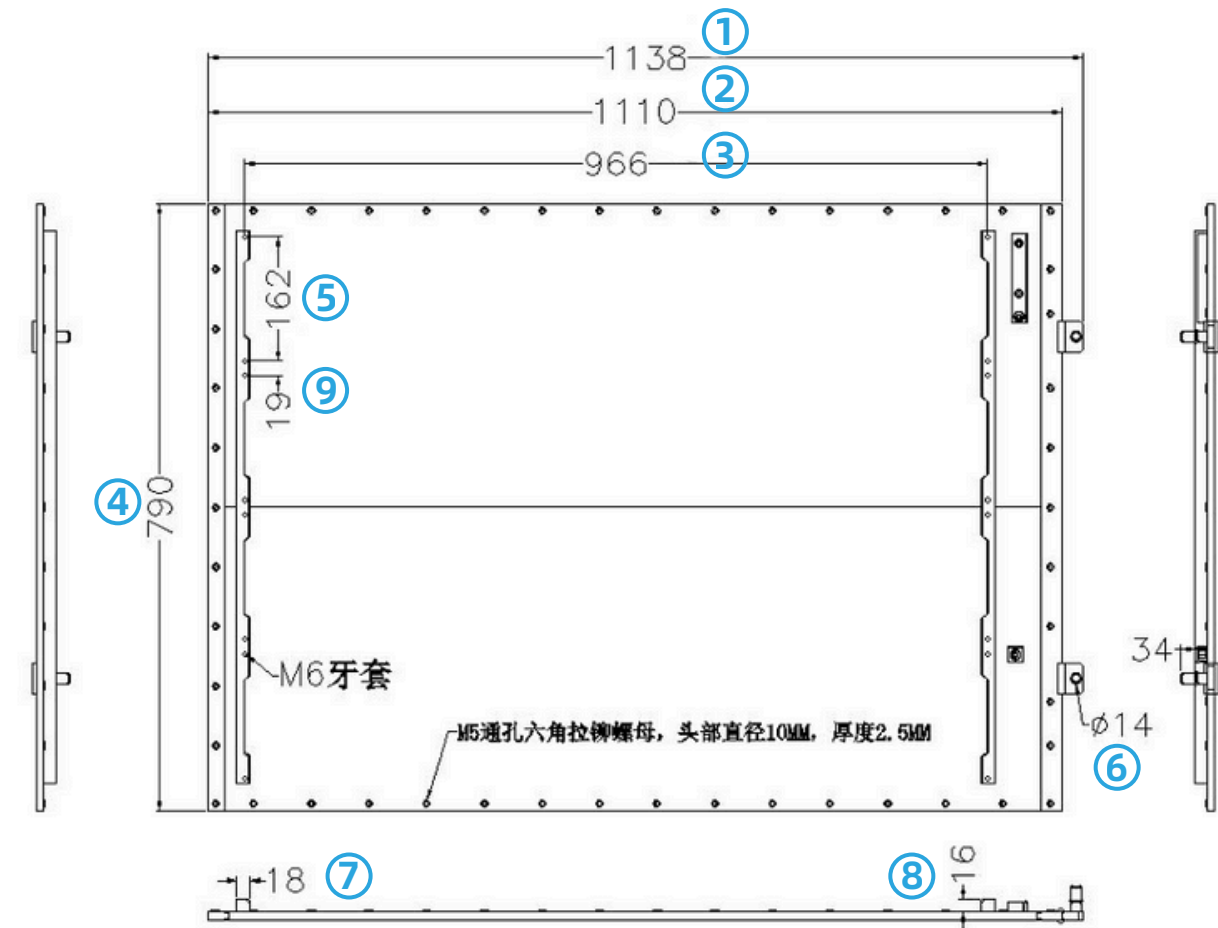
14mm

Surface  
Preparation

Sandblasting, drawing,  
painting, Anodizing,  
electroplating  
(selectable)



## Sizing Specification



- ① Total length of the product (including nozzle): 1138mm (adjustable according to the design drawing)
- ② Total length of the product (excluding nozzle): 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 Terminal board hole spacing: 162mm (size can be adjusted)
- ⑥ Water outlet diameter: 14mm (the size is not adjustable)
- ⑦ Beam width: 18mm (the size is not adjustable for the time being)
- ⑧ Beam height: 16mm (the size is not adjustable)
- ⑨ Mounting hole pitch (width direction): 19mm (This dimension is currently non-adjustable).



# 1P52S

Industrial and commercial energy storage liquid cooling plate

Cell Capacity

314AH

Number Of Cells

52S

Total Product Length

1163.3mm

Product Breadth

809mm

High Product Quality

41mm

Module Installation Hole Spacing

965.3mm

End Plate Hole Spacing

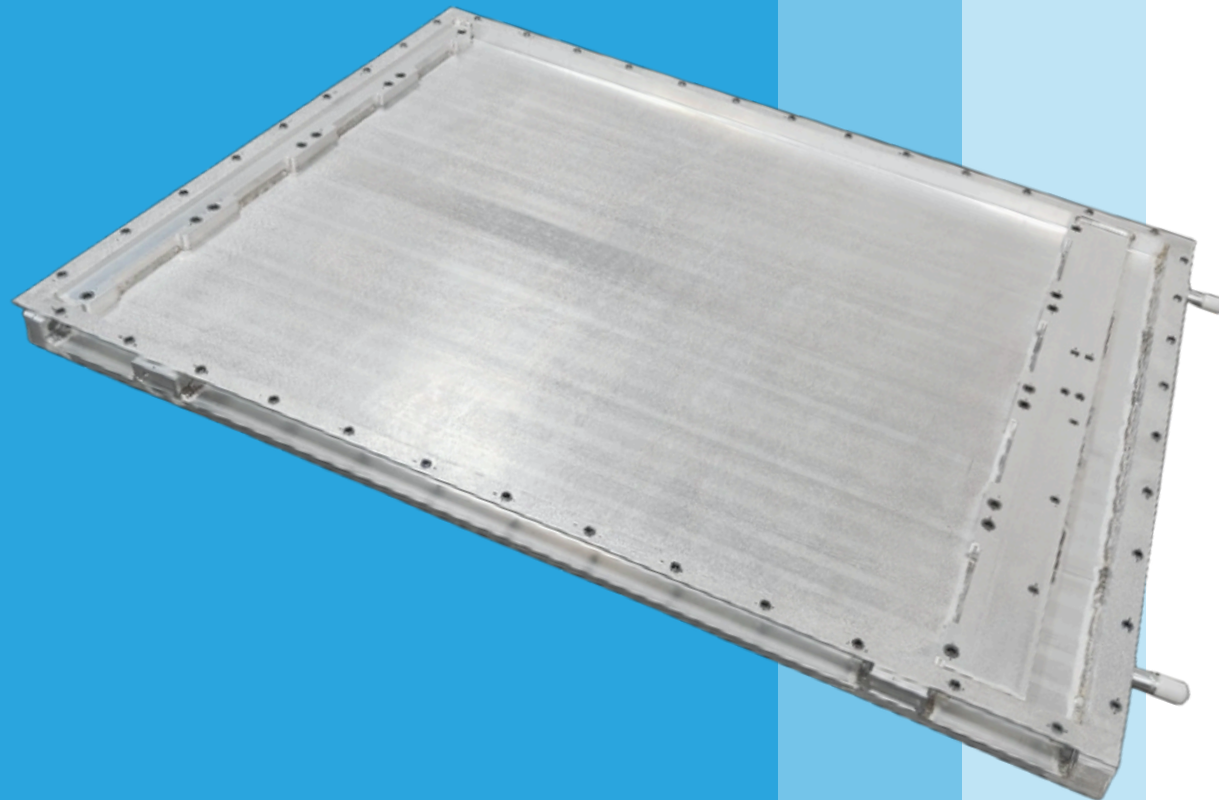
162mm

Outer Diameter Of Water Outlet

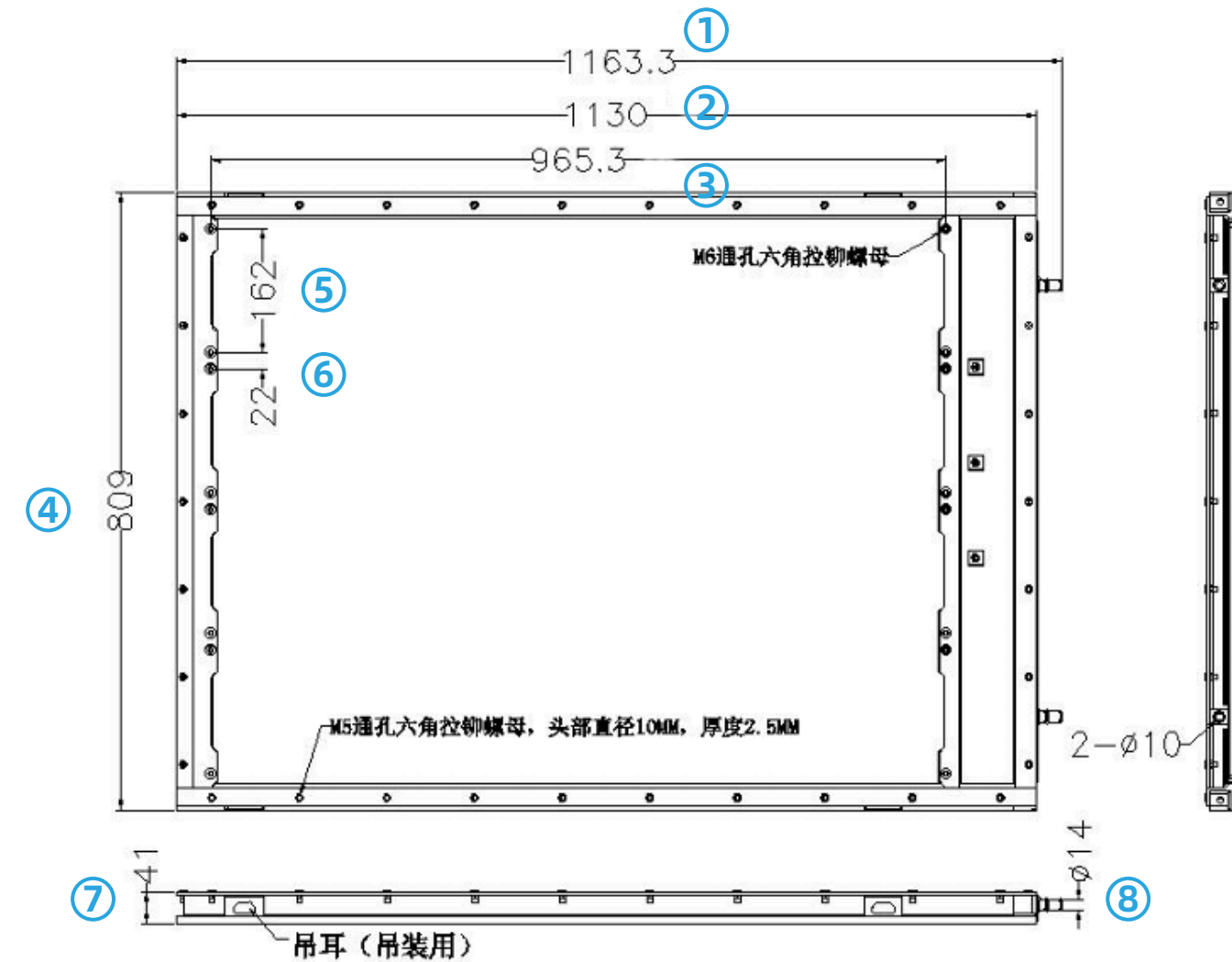
14mm

Surface Preparation

Sandblasting, drawing, painting, Anodizing, electroplating (selectable)



## Sizing Specification



- ① Total length of the product (including nozzle): 1163.3mm (adjustable according to design drawings)
- ② Total length of the product (excluding nozzle): 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 Terminal board hole spacing: 162mm (size can be adjusted)
- ⑥ Module installation hole spacing (width direction): 22mm (size is not adjustable for the time being)
- ⑦ Product height: 41mm (size is not adjustable)
- ⑧ Water outlet diameter: 14mm (the size is not adjustable)

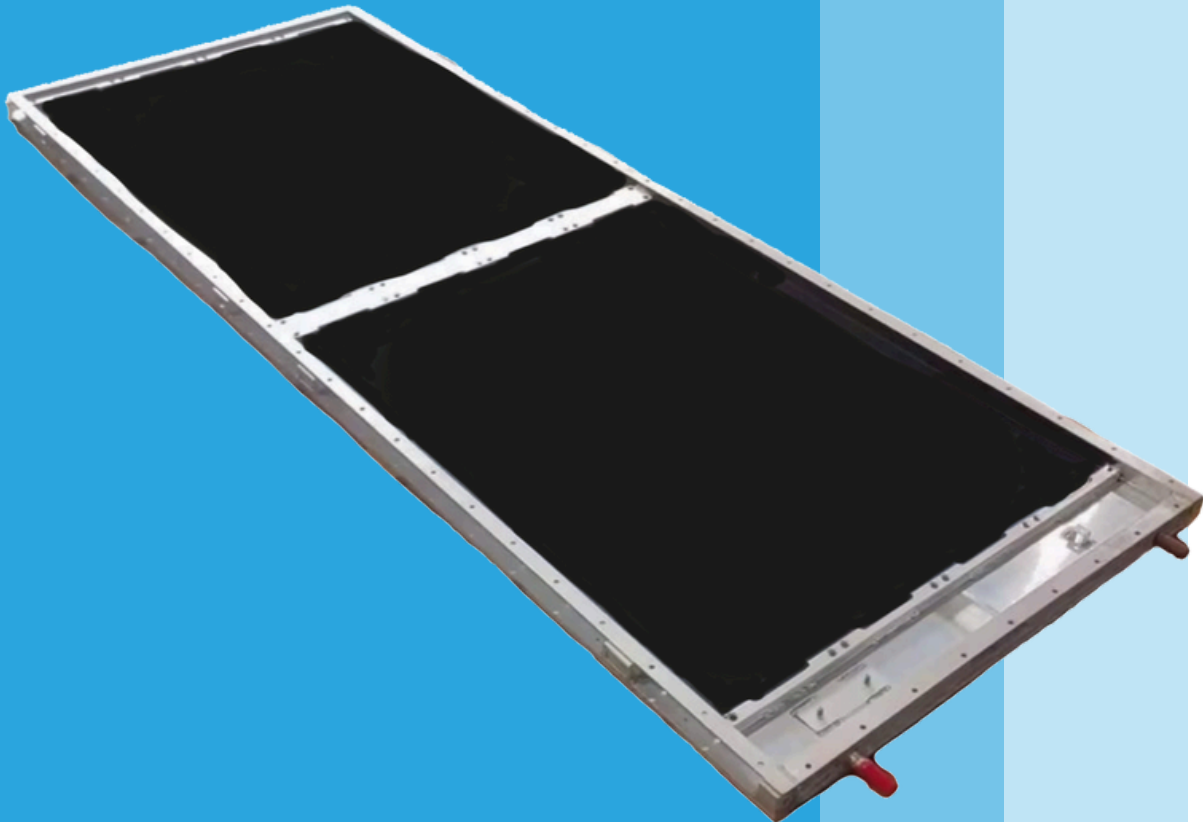
# 1P104S

Special liquid cooling plate for large storage

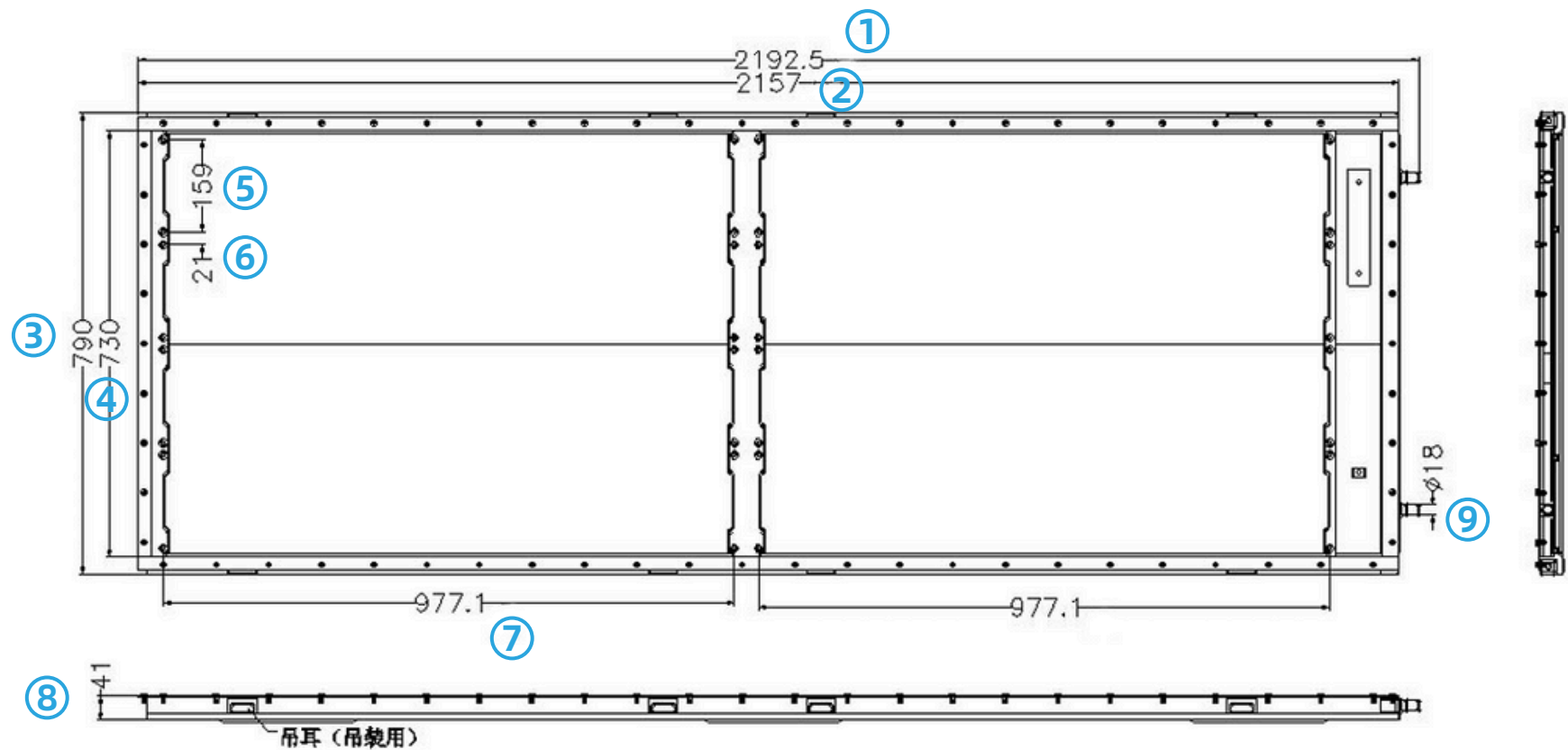
Cell Capacity	Number Of Cells	Total Product Length
314AH	104S	2192.5mm
Product Breadth	High Product Quality	Module Installation Hole Spacing
790mm	41mm	977.1mm
End Plate Hole Spacing	Outer Diameter Of Water Outlet	
159mm	18mm	

Surface Preparation

Sandblasting, drawing, painting, Anodizing, electroplating (selectable)



## 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 width: 790mm (the size is not adjustable for the time being)
- ④ Internal width of the product: 730mm (the size is not adjustable for the time being)
- ⑤ Terminal board hole spacing: 159mm (size can be adjusted)
- ⑥ Module installation hole spacing (width direction): 21mm (size is not adjustable for the time being)
- ⑦ Module installation hole spacing (length direction): 977.1mm (size can be adjusted)
- ⑧ Product height: 41mm (size is not adjustable)
- ⑨ Water outlet diameter: 18mm (the size is not adjustable)

# 1P52S

Industrial and commercial energy storage immersion liquid cooling box

Cell Capacity

314AH

Number Of Cells

52S

Total Product Length

1220mm

Product Breadth

810mm

High Product Quality

265mm

Module Installation Hole Spacing

963.9mm

End Plate Hole Spacing

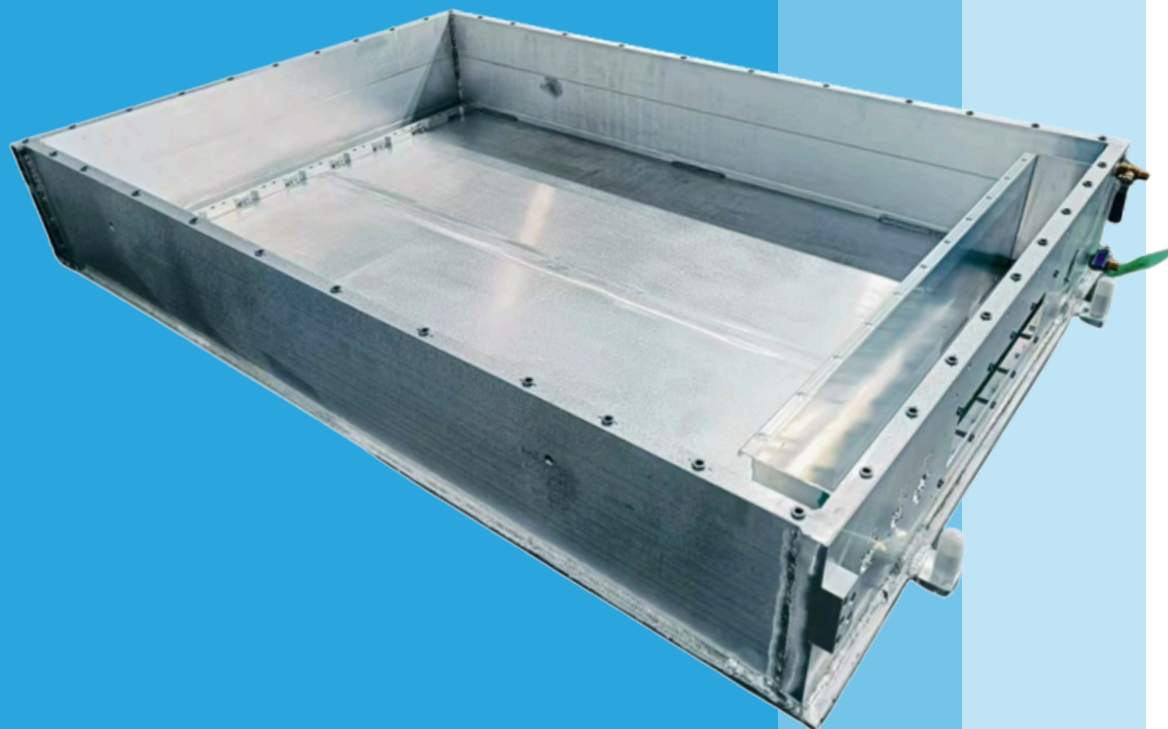
159mm

Outer Diameter Of Water Outlet

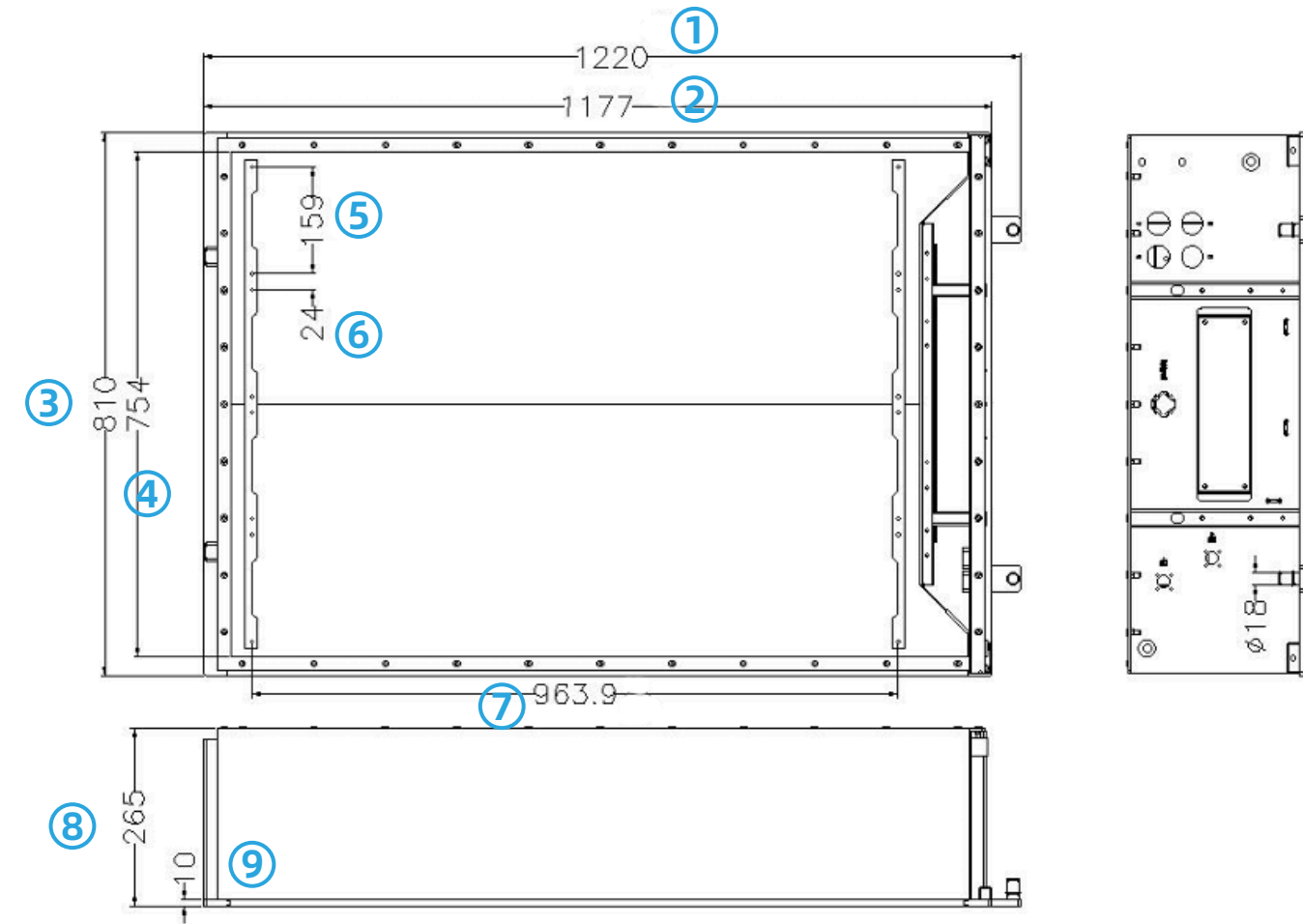
18mm

Surface Preparation

Sandblasting, drawing, painting, Anodizing, electroplating (selectable)



## 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 width: 810mm (the size is not adjustable for the time being)
- ④ Internal width of the product: 754mm (the size is not adjustable for the time being)
- ⑤ Terminal board hole spacing: 159mm ([size can be adjusted](#))
- ⑥ Module installation hole spacing (width direction): 24mm (size is not adjustable for the time being)
- 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 (the size is not adjustable)



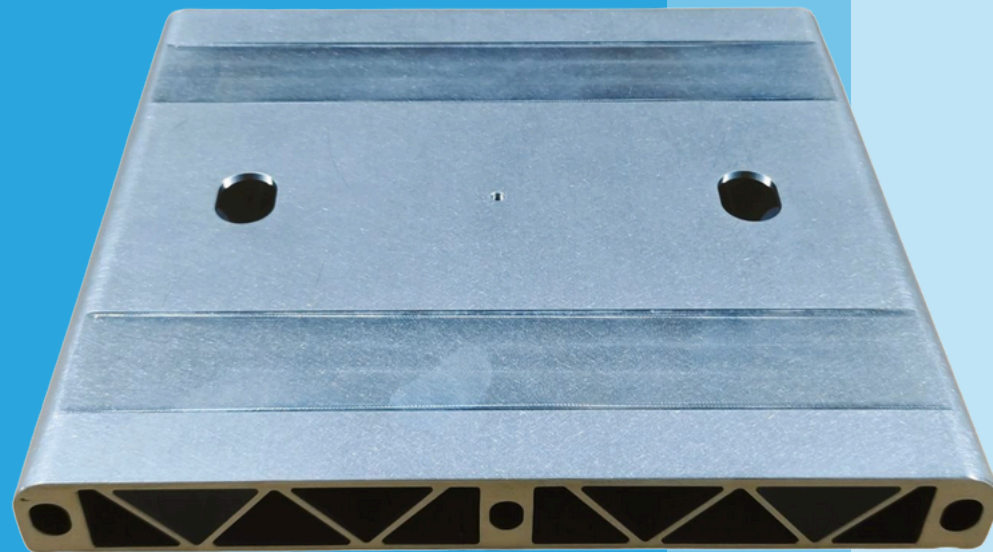
# 314AH

104S dedicated end plate module

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

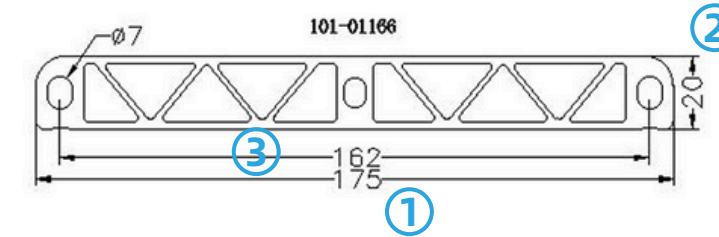
## Surface Preparation

Sandblasting, drawing, painting, Anodizing, electroplating (selectable)

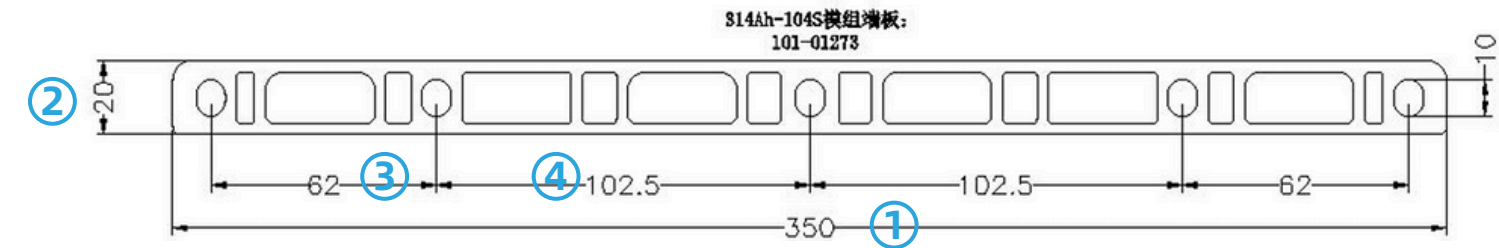
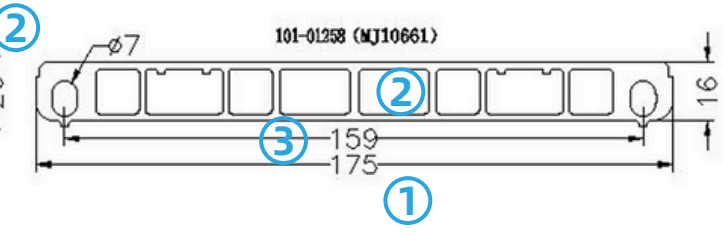


## Sizing Specification

Header A

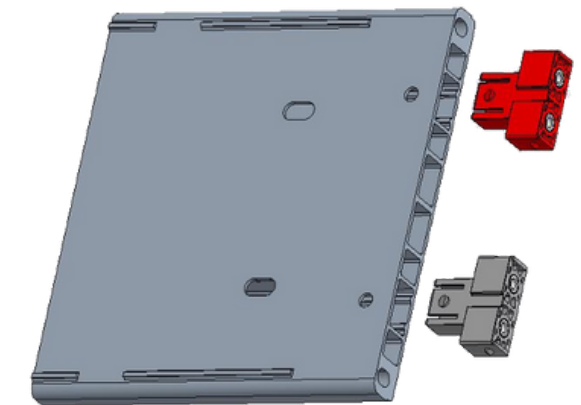


Header B



Header 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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