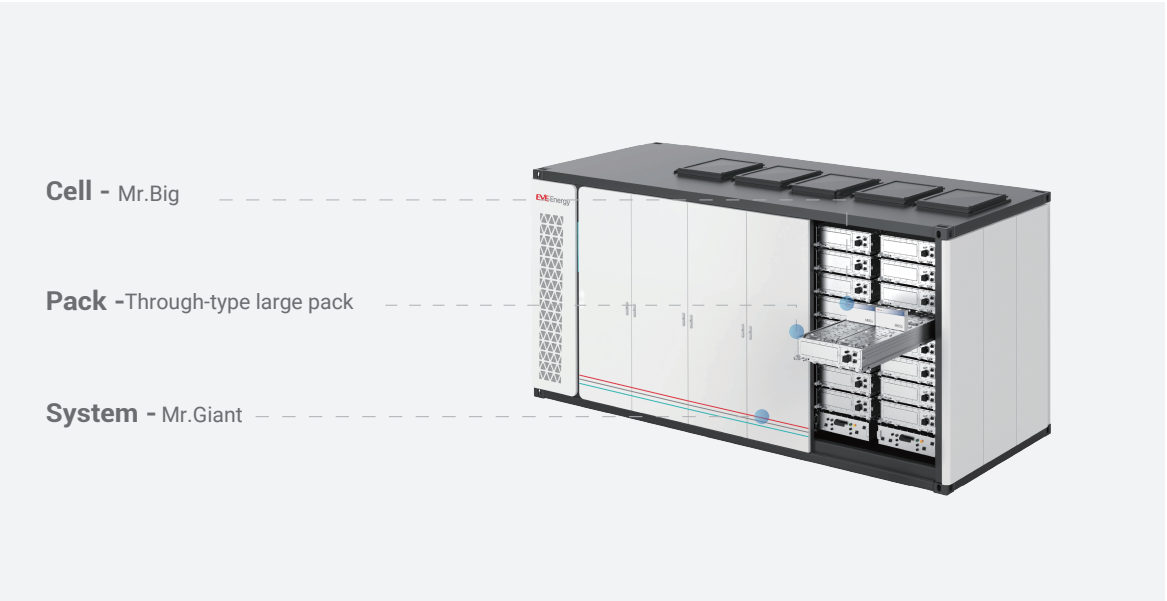




RELIABLE ENERGY STORAGE WITH EVE'S BIG BATTERIES

EVE Energy Storage Co., Ltd  
Address : 22nd Floor, West Tower, Kunlong Building, No. 23, Guanggu Avenue, Hongshan District, Wuhan , Hubei  
Contact : +86-027-65523957  
Website : <https://www.eveenergystorage.com>

Mr.Giant  
Standard 20HC 5MWh liquid-cooling energy storage system



Cell - Mr.Big  
628Ah Stacking Cell



Product Parameter	
Item	Specification
Model	MB56
Nominal Capacity	628Ah
Dimension (D×W×H)	72×352×207mm
Weight	11500±300g
Energy Density	175Wh/kg
Rated Voltage	3.2V
Productuion Process	Stacking
Voltage Range	2.5V~3.65V
Operating Temperature	Charge : 0~60°C    Discharge : -30~60°C

Note: The above data are from EVE Laboratory

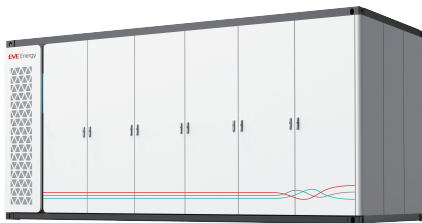
Pack  
Through-type large pack



Product Parameter	
Item	Specification
Model	P156H401
Rated Energy	104.4kWh
Dimension (D×W×H)	2209×778×240mm
Weight	700±10kg
Rated Voltage	166.4V
Voltage Range	145.6V~187.2V
Standard Charging and Discharging Rate	0.25P
Operating Temperature	Charge : 0~55    Charge : -30~55
Level of Protection	IP67

Note: The above data are from EVE Laboratory

System - Mr.Giant  
5MWh liquid cooling energy storage system



Product Parameter	
Item	Specification
Model	S556H401
Rated Energy	5015kWh
Dimension (D×W×H)	2438×6058×2896mm
Weight	< 45t
Rated Voltage	1331.2V
Voltage Range	1164.8V-1497.6V
Standard Charging and Discharging Rate	0.25P
Operating Temperature	-40°C~55°C
Level of Protection	IP55

Note: The above data are from EVE Laboratory



# Mr.Giant

## 5MWh-628-0.25P



Note: Product color, shape, interface and functions are for reference only. The actual product may vary.

EMPOWER THE WORLD WITH EVE ENERGY


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Contact : +86-027-65523957  
Website : <https://www.eveenergystorage.com>

Mr.Big & Mr.Giant Flagship Series

Super-large cell, ultra-high energy efficiency

**E F F I C I E N T**


Super-large cell,  
ultra-high energy efficiency



- Innovative current collection technology, realizing low temperature rise and high energy efficiency
- Low internal resistance combined with optimized overcurrent design
- Self-developed BMS active balancing, improving the consistency

**S I M P L E**


Minimalist integration,  
smart use



- Complete service capabilities along the entire product chain
- Minimalist integration of super-large cells, making O&M simpler
- Cell-level AI intelligent perception and cloud diagnosis, realizing easy O&M

**S A F E**

Multi-dimensional safety,  
comprehensive protection




- Reliable cell design, ensuring intrinsic safety
- System safety ensured from firefighting and electrical
- Full-link verification, passing 300+ safety and electrical performance tests


**E F F I C I E N T**

Fourth-generation Stacking Technology


Optimal technology path of CTT ultra-large battery



Space utilization up by 5%  
providing higher energy density



R angle elimination ensures  
zero wrinkles on electrodes  
providing higher energy density



Stacking process

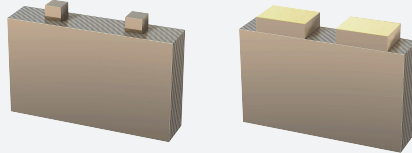
**E F F I C I E N T**

Innovative Current Collection Technology

Large tab and large pole design, stronger overcurrent capacity, lower temperature rise  $\leq 3.2^{\circ}\text{C}$

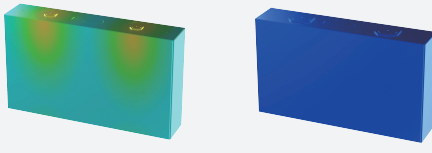
2X number of tab

Stronger electronic conductivity



2X pole area

Smoother electronic circulation

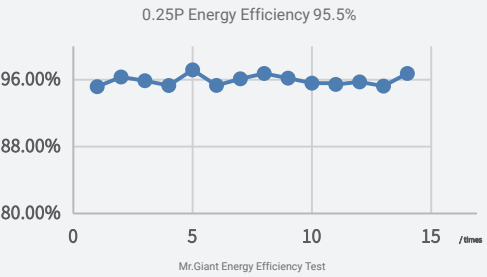


**E F F I C I E N T**

System loss reduced by 1%

Low internal resistance combined with optimized overcurrent design, realizing lower loss

System energy efficiency up to 95.5%,  
increasing the benefits of the whole  
life cycle about \$ 501,400



0.25P Energy Efficiency 95.5%

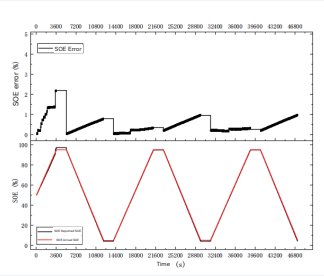
Mr.Giant Energy Efficiency Test

**E F F I C I E N T**

Self-developed BMS active balancing

Improve the consistency of the system

More matching BMS strategy based on  
EVE cell data atlas library, realizing a SOE and SOC  
estimation accuracy of <3%

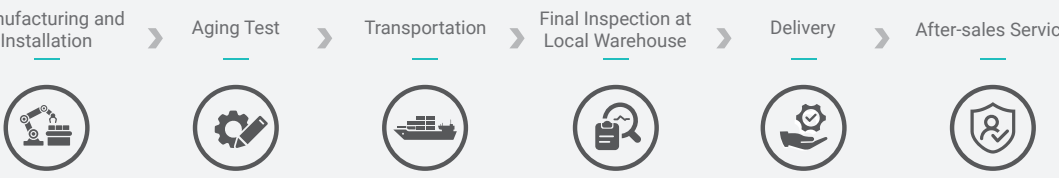


Test Curve of Energy State Estimation

**S I M P L E**

Complete service capabilities along the entire product chain


Full chain service process from manufacturing and installation, aging test, transportation, final inspection at local warehouse, delivery to after-sales service



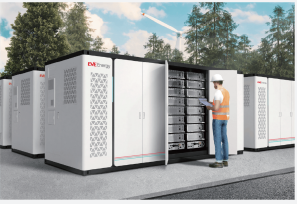
**S I M P L E**

Minimalist integration of super-large cells, making O&M simpler

More efficient design and installation, reducing the maintenance labor cost by 30%



Four machines in one A/B cabinet,  
reducing the floor area by 25%




Reducing the labor cost of maintenance and  
repair in the whole life cycle by 30%

**S I M P L E**

Cell-level AI intelligent perception and cloud diagnosis, realizing easy O&M

Precise management down to cells

Minimum energy unit  
Precise management and O&M




**S A F E**

Reliable cell design, ensuring intrinsic safety

Full-link safety control measures based on failure analysis, design, development, production, and manufacturing

Design safety




Thickened composite membrane,  
double-side protective coating

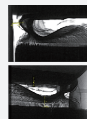


Extra-large explosion-proof valve,  
doubling the area

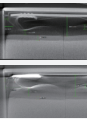
Manufacturing safety



Stacking CCD



X-Ray detection



CT detection

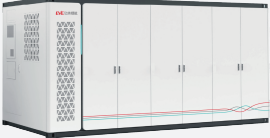
**S A F E**

System safety ensured from firefighting and electrical

24h fire protection and three-level intelligent control breaking, and full range triple fuse protection for fault current

Fire safety

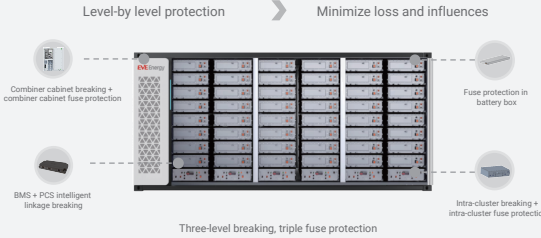
Multi-level exploration   Multi-level linkage   Multi-layer protection



Comply with the new fire regulations of China, the United States, and Europe

Electrical safety

Level-by level protection   Minimize loss and influences



Three-level breaking, triple fuse protection

**S A F E**

Full-link verification, passing 300+ safety and electrical performance tests

Meeting the requirements of various standards at home and abroad

Proven large-capacity product

Fully tested and widely certificated product verified by external tests

168+  
Cell tests

100+  
pack tests

80+  
system tests

