

8 Ī ĀņčŮ ~őKης čĀ ~Kĩř őěK Ī

MEGMEET focuses on ESS and provides a one-stop solution for OEM, ODM, SKD, Non-Brand Standard energy storage system products with a powerful research and design platform, excellent supply chain platform, and lean production management platform.

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- PCS

BMS

EMS
- Inverter

EV Charger

CCU / TCU / PLC
- Air Conditioner

ESS
- Battery Pack

Charging Module
- CCS

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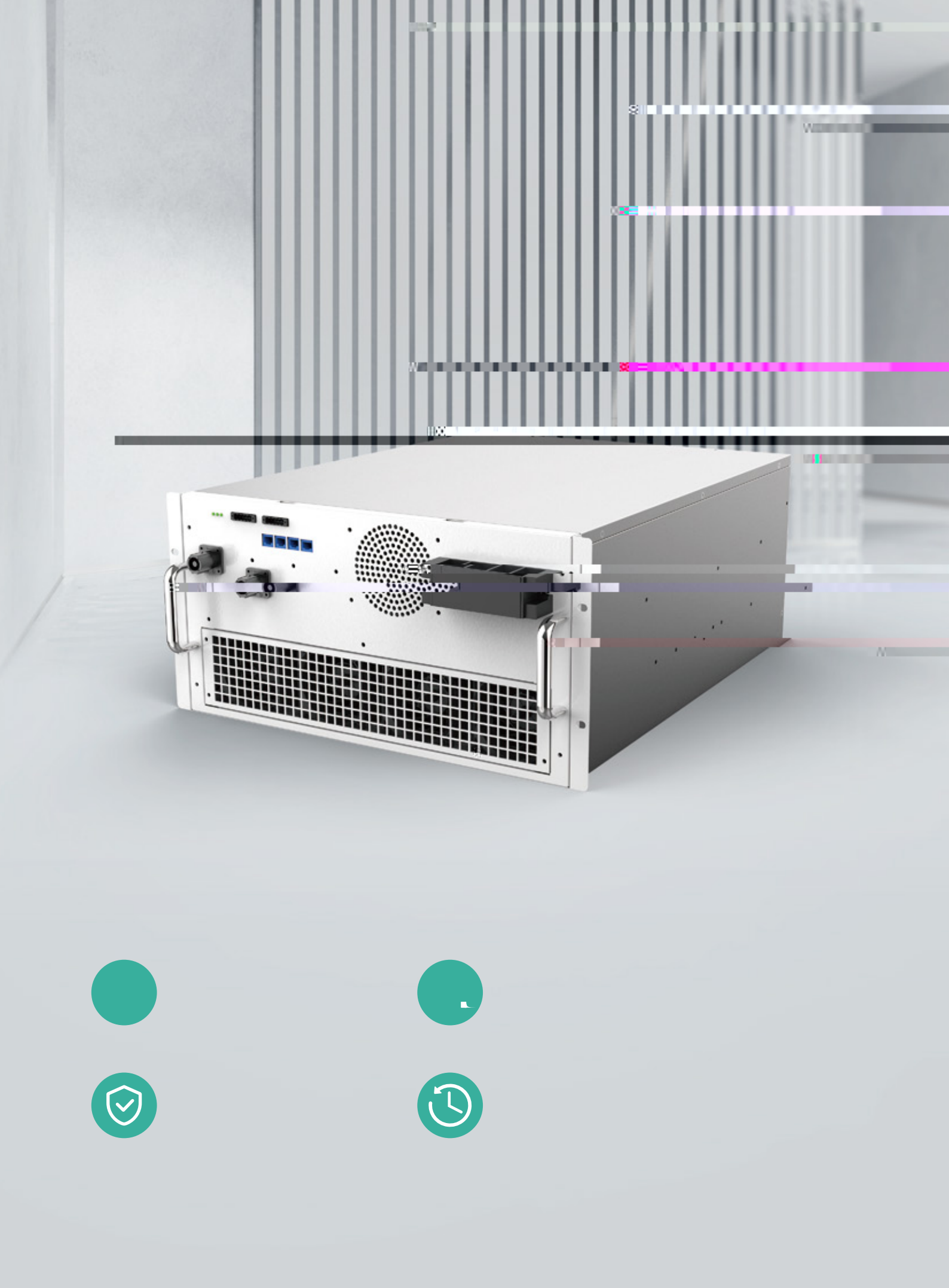




## - Περιεχόμενα

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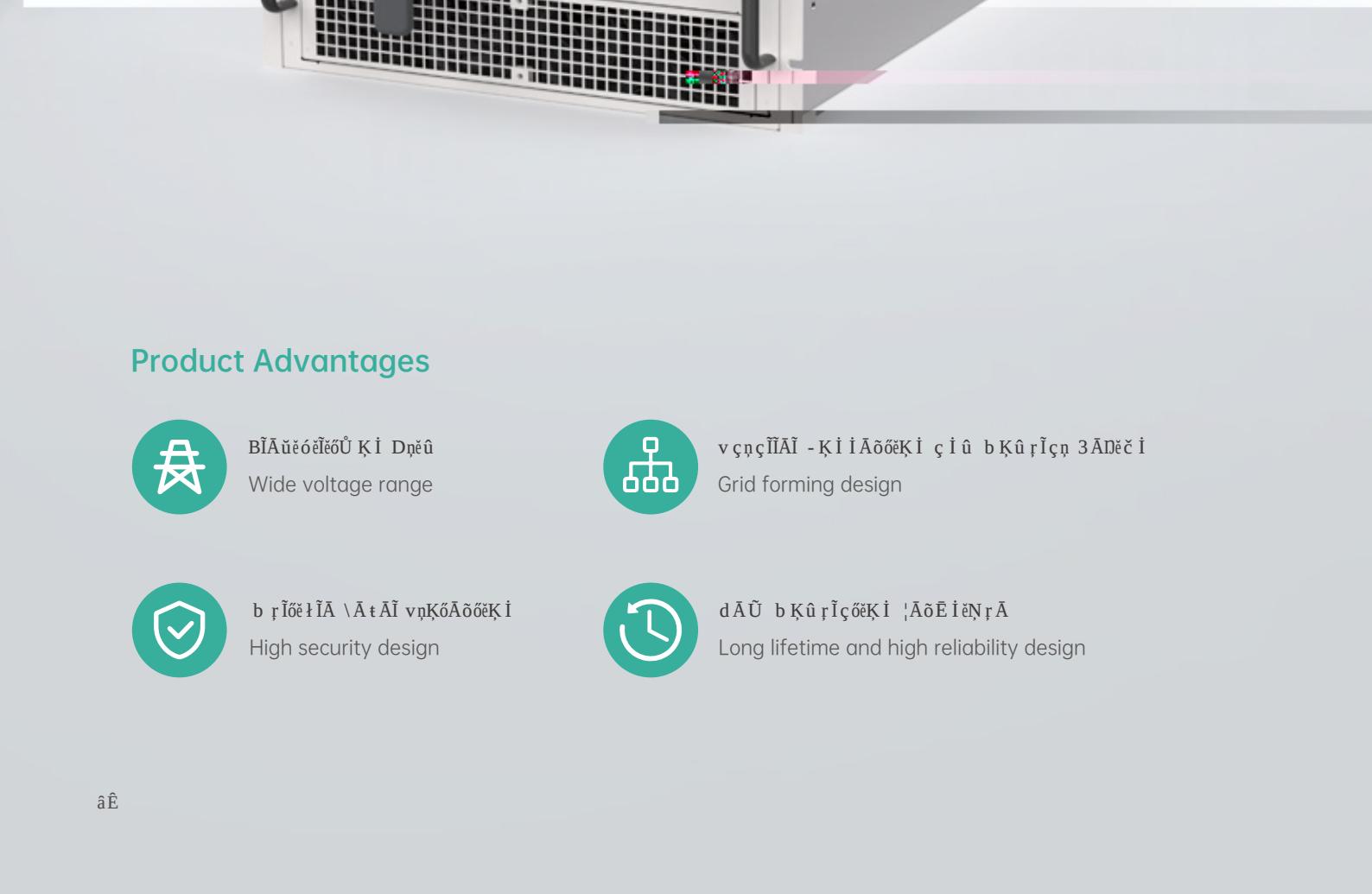
A photograph of a white, rack-mountable electronic device, likely a power supply or converter, with various ports and connectors on its front panel. The device is shown against a background of vertical blinds.

 B1AũéóěěŮ Ķ ĭ Dņēũ  
Wide voltage range



High security design

 dÄŮ bKŮ rİçœKİ !ÄöE İēN rÄ  
Long lifetime and high reliability design



|                                                                                       |                                                |
|---------------------------------------------------------------------------------------|------------------------------------------------|
| 3 - ~εũÄ ν ç η ç İ ÄöÄηĐ                                                              |                                                |
| Number of Input Channels                                                              | 1                                              |
| Voltage Range / Rated DC Voltage                                                      | 550 to 950 V / 768 V                           |
| Maximum DC Current                                                                    | 238 A                                          |
| - ~εũÄ ν ç η ç İ ÄöÄηĐ                                                                |                                                |
| Grid Voltage                                                                          | 400 (-15% to 10%) VAC                          |
| Off-grid Voltage                                                                      | 400 (± 10% adjustable)                         |
| Rated Capacity                                                                        | 125 kW                                         |
| Rated Current                                                                         | 180.4 A                                        |
| Continuous Overload Current                                                           | 198.5 A                                        |
| Maximum Current                                                                       | 216.5 A                                        |
| AC Frequency                                                                          | 50 Hz (± 5% adjustable)                        |
| Total Harmonic Distortion Rate of Current / Total Harmonic Distortion Rate of Voltage | THDI ≤ 3% / ≤ 3%                               |
| Power Factor                                                                          | PF 0.99 / -1 to 1                              |
| DC Component                                                                          | 0.50%                                          |
| 8 İ tēηΚ İ İ Ä İ ö ç İ - Ç İ ũēöēΚ İ ν ç η ç İ ÄöÄηĐ                                  |                                                |
| Allowable Relative Humidity                                                           | 0 to 95% Rh (no condensation)                  |
| Allowable Altitude                                                                    | 4000 m                                         |
| Operating Ambient Temperature                                                         | -25 °C to +60 °C                               |
| Storage Temperature                                                                   | -40 °C to +70 °C                               |
| νηΚçÄöö ν ç η ç İ ÄöÄηĐ                                                               |                                                |
| Wiring                                                                                | 3L3P / 3L4P (IT / TT / TN-S)                   |
| Grid Form                                                                             | IT / TN                                        |
| Maximum Charging Conversion Efficiency                                                | 99%                                            |
| Maximum Discharge Conversion Efficiency                                               | 99%                                            |
| Cooling Method                                                                        | Intelligent air cooling                        |
| IP Grade                                                                              | IP55                                           |
| Corrosion Resistance                                                                  | C3                                             |
| Noise Level                                                                           | < 75 dB                                        |
| Overvoltage Level                                                                     | DC II, AC III                                  |
| Dimensions (W x H x D)                                                                | 520 x 250 x 880 (mm)                           |
| Weight                                                                                | 80 kg                                          |
| DC Surge Protection                                                                   | CLASS IV                                       |
| AC Surge Protection                                                                   | CLASS IV                                       |
| Communication Interface                                                               | RS485, Ethernet, CAN, WIFI                     |
| Communication Protocol                                                                | Modbus TCP / RTU, CAN2.0, IEEE 802.22b / g / n |



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## Product Advantages



I ěčĚ Ąćf ðĕĀi ðŰ  
intelligent thermal management and efficient insulation to improve system efficiency



I ěčĚ Āi ĀņčŰ  
100 kWh per cabinet, supports 4-way DC parallel operation and 10-way AC parallel operation, and can be expanded to a maximum of 4 Mwh



I ěčĚ ěi ðĀčņç ðĕĲi  
integrated design, all in one



I ěčĚ ƆçćĀðŰ  
all-in-one composite fire detection and efficient aerosol fire extinguishing

## Product Parameters

|                                     |                                                           |
|-------------------------------------|-----------------------------------------------------------|
| 3 - Ĺi ĺ řđ                         |                                                           |
| Max. PV Array Power @ STC           | 100 kWp                                                   |
| Max. DC Voltage                     | 1000 V                                                    |
| MPPT Voltage Range                  | 180 to 850 V                                              |
| Max. DC Input Current               | 6 * 45 A                                                  |
| Number of MPPT                      | 6                                                         |
| Number of Strings per MPPT          | 2                                                         |
| + çđđĀņŰ v çņç Ĺ ĀđĀņĐ              |                                                           |
| Battery Type                        | LiFePO <sub>4</sub>                                       |
| Rated Energy                        | 104.5 kWh                                                 |
| Max. Charging / Discharging Current | 150 A / 150 A                                             |
| - ĵ řđĺ řđv ĵ Ĺ`čņĕŰz               |                                                           |
| Rated AC Power                      | 50 kW                                                     |
| Max. Apparent Power                 | 55 kVA                                                    |
| Rated Output Current @ 230 V        | 72.5 A                                                    |
| Max. Output Current @ 230 V         | 79.8 A                                                    |
| Rated AC Voltage                    | 3+N+PE, 380 / 400 A                                       |
| Rated Output Frequency / Range      | 50 Hz, 60 Hz / 45 to 55 Hz, 55 to 65 Hz                   |
| - Ĺi ĺ řđv ĵ Ĺ`čņĕŰz                |                                                           |
| Rated AC Voltage / Range            | 3+N+PE, 380 V / 400 V                                     |
| Rated Output Power                  | 215 kW                                                    |
| Maximum Output Power                | 237 kW                                                    |
| Rated Operating Voltage             | 690 VAC / 3 W + PE                                        |
| Rated Operating Current             | 180 A                                                     |
| Maximum Operating Current           | 198 A                                                     |
| Rated Frequency                     | 50 / 60 Hz                                                |
| Cell Type                           | Lithium Iron Phosphate (LFP)                              |
| Battery Specifications              | 314 Ah                                                    |
| Battery Cycle Life                  | > 8000 times (@ +25 °C, 0.5P, 80% EOL)                    |
| String Mode                         | 1P416S                                                    |
| Rated Power                         | 418 kWh                                                   |
| Rated Battery Voltage               | 1331 V                                                    |
| Operating Voltage Range             | 1123.2 to 1497.6 V                                        |
| Thermal Management                  | Liquid cooling and heating                                |
| Fire Protection                     | Level 3 fire protection (perfluorohexanone)               |
| Communication Interface             | RS485 / CAN / LAN                                         |
| Letter of Agreement                 | Modbus / CAN / MQTT                                       |
| Range of Working Temperature        | Charging: 0 °C to +55 °C<br>Discharging: -20 °C to +55 °C |
| Relative Humidity                   | 0 to 95% Rh (no condensation)                             |
| Altitude                            | ≤ 4000 m (> 2000 Mderated)                                |
| Protection Level                    | IP55                                                      |
| Weight                              | ≤ 4500 kg                                                 |
| Dimensions (W x H x D)              | 1400 x 2550 x 1350 (mm)                                   |





Product Advantages



ΒιβαυεοΙΑ ι ιεο ςοεκι  
Multi-energy dispatch  
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Product Advantages



Multi-energy dispatch  
Virtual power plant, power demand side response  
Electricity spot trading, peak and valley arbitrage



Supports parallel connection of multiple equipments  
System hierarchical linkage protection  
Support elastic expansion and provide multiple solutions



Cabinet modular design  
Convenient maintenance and installation, integrated transportation  
Simple on-site construction



Multi-level control architecture  
Support cloud technology  
Intelligent temperature control

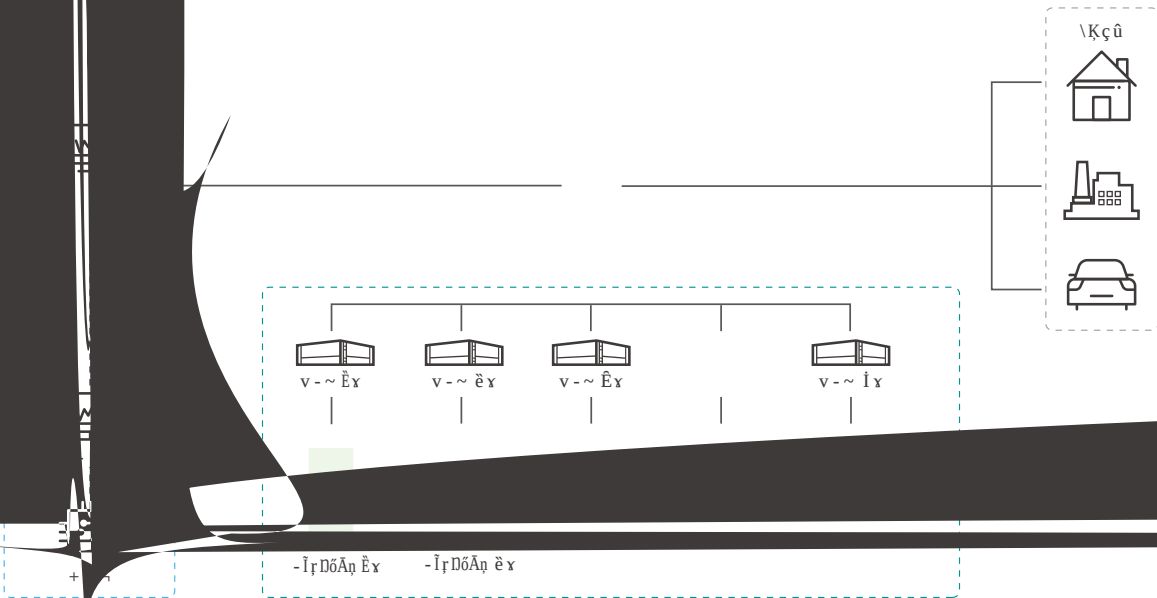


LFP cell  
High safety, long life



Suitable for all loads or AC power generation equipment

|                         |                                                           |
|-------------------------|-----------------------------------------------------------|
| Rated Output Power      | 125 kW                                                    |
| Maximum Output Power    | 137 kW                                                    |
| Rated Voltage           | 400 VAC / 3 W + N + PE                                    |
| Rated Current           | 180 A                                                     |
| Maximum Current         | 209 A                                                     |
| Rated Frequency         | 50 Hz                                                     |
| Cell Type               | Lithium Iron Phosphate (LFP)                              |
| Cell Capacity           | 314 Ah                                                    |
| Battery Cycle Life      | > 8000 times (@ +25 °C, 0.5P, 80% EOL)                    |
| Serial Method           | 1P240S                                                    |
| Rated Capacity          | 241 kWh                                                   |
| Rated Battery Voltage   | 768 V                                                     |
| Voltage Range           | 648 to 876 V                                              |
| Thermal Management      | Intelligent air cooling                                   |
| Fire Protection         | Perfluorohexanone (Novec 1230)                            |
| Communication Interface | Ethernet / RS485 / CAN                                    |
| Communication Protocol  | Modbus / CAN / MQTT                                       |
| Temperature Range       | Charging: 0 °C to +55 °C<br>Discharging: -20 °C to +55 °C |
| Relative Humidity       | 0 to 95% Rh (no condensation)                             |
| Altitude                | ≤ 4000 m (> 2000 m derated)                               |
| IP Grade                | IP55                                                      |
| Weight                  | ≤ 2500 kg                                                 |
| Dimensions (W x H x D)  | 1050 x 2500 x 1250 (mm)                                   |







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## Product Advantages

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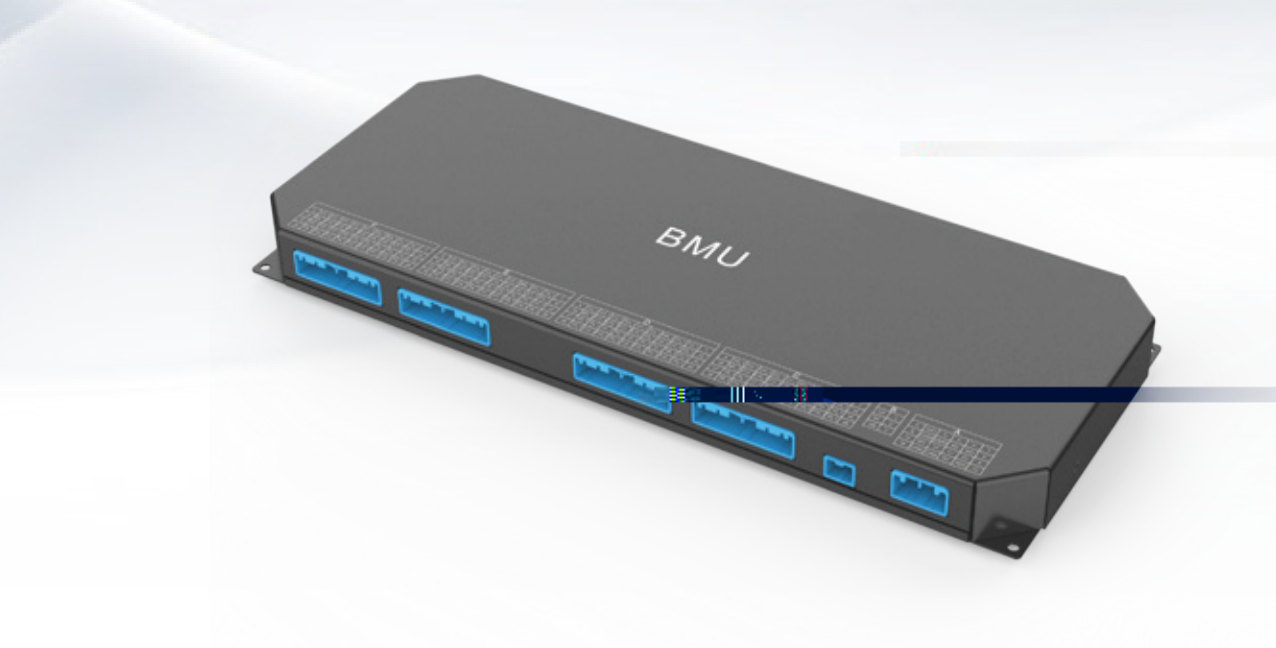
Multifunctional dispatch,  
virtual power plants power  
demand-side response  
Peak-valley trading profit







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Applications

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- 6-52 string cell voltage and temp monitoring, sampling line disconnection detection
- Integrated AFE chip, sampling accuracy (± 1.5 mV voltage & ± 0.5 temp)
- Bidirectional DC / DC active balancing; output constant current and voltage charge & discharge on battery
- ± 4 A balancing current, meet 1500 V voltage platform
- Multiple communication interface, compatible with CAN2.0 & CANFD

Product Parameters

|                              |                                      |                          |                                     |                        |                    |
|------------------------------|--------------------------------------|--------------------------|-------------------------------------|------------------------|--------------------|
| Input voltage:               | — 3 - Èĩ óĶ Êĕ ¼                     | Voltage sampling:        | — ĩ óĶ ĩĕ ~                         | Single unit detection: | — ā óĶ ĩ ¼ŷ Ê ĩ ¼ŷ |
| Active balancing:            | — +ĕũĕŋĀõõĕĶĩ çĩ ĕ õĶĩĐóç ĩõ õŕŋŋĀĩõ | Operating temperature:   | — `ĕā ŋ óĶ' ĩĩ ŋ                    | Temperature sampling:  | — ĩĩ ĩĩçõĀĐ        |
| Temperature Detection range: | — `ĕā ŋ óĶ' Èĕĩ ŋ                    | Communication interface: | — È õĒç ĩ ĩĀĩ ĕĐĶĩçõĀũ - đĕĕāŵ- đB3 |                        |                    |

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Applications

+ çóóĀŮ õĩŕĐóĀŋ ĩ ç ĩ ç čĀ ĩ Āĩóĥ Èĩ ā ā¼ ħĶĩóç čĀ ó çóóĀŮ ĐŮĐóĀ ĩ ĥ - ħŁ 8~~ ç ĩ ũ - ĶĩóçĕĩĀŋ 8~~

- Collect battery voltage, temp, insulation resistance data from BMU
- Manage battery cluster through SOX estimation, control battery cluster output, contactor on / off
- Connect to the switch via LAN for data interaction with BAMU
- External contactor, AC / DC circuit breaker, acoustooptic, fire control and switch status detection
- Communicate with PCS and external sensors to realize data interaction

Product Parameters

|                               |                                      |                                   |                                |
|-------------------------------|--------------------------------------|-----------------------------------|--------------------------------|
| Input Voltage:                | — ĕ õĒç ĩ ĩĀĩĐ 3 - Èĩ óĶ Êĕ ¼        | Insulation Resistance Monitoring: | — õõŕŋçõŮ, Èĩĵ                 |
| Voltage Monitoring:           | — +ĕũĕŋĀõõĕĶĩ çĩ ĕ õĶĩĐóç ĩõ õŕŋŋĀĩõ | 8 Channels Active DO Output:      | — ĕ ϕ Êā ¼                     |
| 12 Channels Isolated DI Input |                                      | 4 Channels Passive DO Output:     | — Ê ϕ Êā ¼'3 - Ķŋ Ê ϕ ĕĩā ¼' - |



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Applications

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Product Features

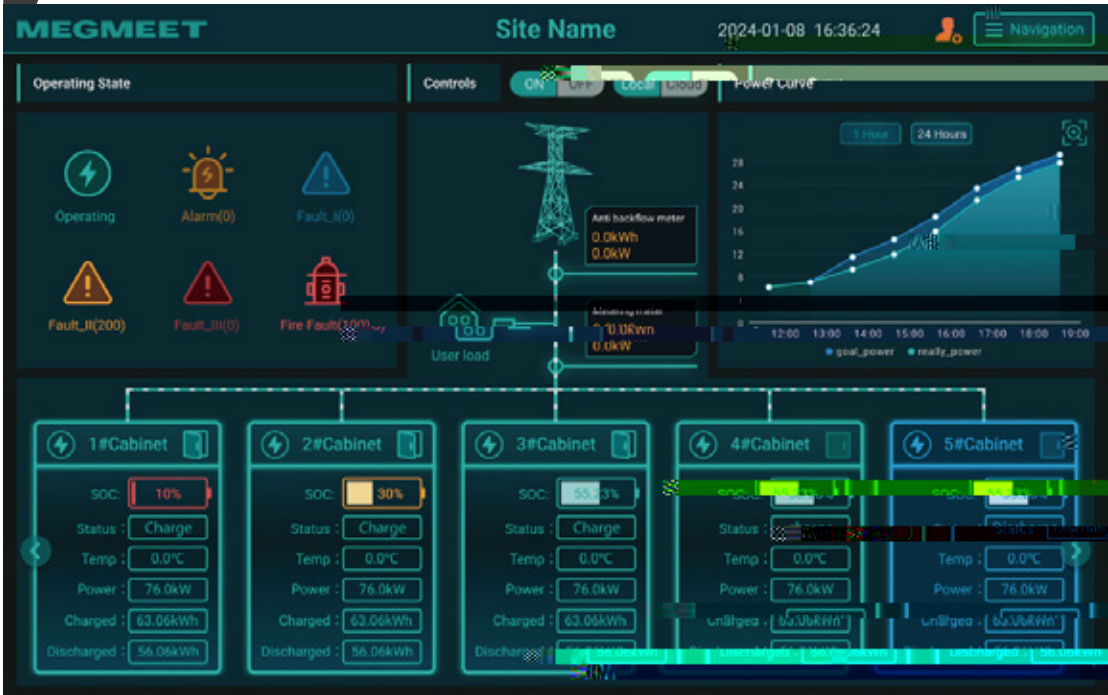
- Seconds of data retention
- Edge computing, real-time diagnosis of battery safety & health status, equipment status inspection
- Triple-network redundancy, with multi-interface centralized control capability
- Micro-service architecture, support SDK secondary development
- QT UI architecture, support OTA remote upgrade
- Support overvoltage & undervoltage, overcurrent, differential pressure & temp protection, FDD, thermal control

Product Parameter

- 3-Channels LAN
- 5-Channels RS485
- 3-Channels CAN
- 12-Channels DI
- 12-Channels DO
- 2 g main frequency / 4 g memory, support data refresh, response within 100 ms
- 500 g solid state drive, seconds of data retention

Product

BAMU Monitoring Platform



- Access to data from various components of ESS
- Demand control, anti-backflow control
- Access and control data on BMS, PCS, fire protection, air conditioning, temp & humidity sensor and Io interface
- Real time data monitoring
- Support redevelopment for cloud platform





Product Parameters

|                                          |              |
|------------------------------------------|--------------|
| 81.6 kWh Energy Capacity                 |              |
|                                          | 14.336 kWh   |
| 1P16S                                    |              |
|                                          | 280 Ah       |
| 51.2 V                                   |              |
|                                          | 40 to 58.4 V |
| 0.5P                                     |              |
|                                          | 0.5P         |
| > 6000 times (@ +25 °C, 0.5 P, 80 % EOL) |              |
| 1/2 Cooling Fan                          |              |
| Thermal Management                       |              |
| Working Temperature Range                | -40 ~ +55 °C |
|                                          |              |
| Relative Humidity                        |              |
| Altitude                                 |              |
| ~6000 cycles                             |              |
| IP Grade                                 |              |
| Total Weight                             |              |
| Dimensions (W x H x D)                   |              |



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## Product Advantages



CCS sampling  
High integration, collect  
voltage and temp data  
of each cell



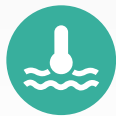
Compatible with  
280 /314 / 320 Ah battery cell  
Smoothly replaced and  
upgraded



PACK level fire protection



Compatible with active & passive balancing  
The active balancing current can reach 4 A



Adopting smartliquid cooling system  
Module temperature difference  $\leq +2.5^{\circ}\text{C}$

## Product Parameters

| 8İÃõñẽõ çĬ vηΚ ĩ ÅηõeÄĐ              |                                          |
|--------------------------------------|------------------------------------------|
| Rated Energy                         | 46.592 kWh                               |
| Battery Configuration                | 1P52S                                    |
| Rated Capacity                       | 280 Ah                                   |
| Rated Voltage                        | 166.4 V                                  |
| Voltage Range                        | 145.6 to 187.2 V                         |
| Standard Charging Current            | 140 A                                    |
| Maximum Charging Current             | 160 A                                    |
| Standard Discharge Current           | 140 A                                    |
| Maximum Continuous Discharge Current | 160 A                                    |
| Battery Cycle Life                   | > 6000 times (@ +25 °C , 0.5 P, 80% EOL) |

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| Thermal Management  | Liquid cooling                                            |
|---------------------|-----------------------------------------------------------|
| Temperature Range   | Charging: 0 °C to +55 °C<br>Discharging: -20 °C to +55 °C |
| Storage Temperature | -20 °C to +45 °C (1 month)<br>0 °C to +35 °C (6 months)   |
| Working Humidity    | ≤ 95 % Rh (No condensation)                               |
| Altitude            | ≤ 3000 m                                                  |

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|                        |                       |
|------------------------|-----------------------|
| IP Grade               | IP67                  |
| Gross Weight           | 340 kg                |
| Dimensions (W x H x D) | 802 x 246 x 1160 (mm) |



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Product Advantages

- 

**Modular Design**  
Flexible and scalable on demand
- 

**Safety & Intelligent Control**  
Central control and cabinet control management
- 

**Intelligent Cloud Connection**  
Cloud Interconnection  
Real-time monitoring

Combiner Cabinet for Air Cooling ESS Product Parameters

|                              |                                                                         |
|------------------------------|-------------------------------------------------------------------------|
| Rated Output Voltage         | 400 VAC                                                                 |
| Rated Output Current         | 800 A (4 energy storage cabinets are equipped with a 800 A switch)      |
| Rated Frequency              | 50 / 60 Hz                                                              |
| Input Current for Single ESS | 200 A                                                                   |
| Number of Input Channels     | 4 channels (4 energy storage cabinets are equipped with a 800 A switch) |
| IP Grade                     | IP55                                                                    |
| Weight                       | ≤ 400 kg                                                                |
| Dimensions (W x H x D)       | 600 x 2500 x 980 (mm)                                                   |

Combiner Cabinet for Liquid Cooling ESS Product Parameters

|                              |                                                                          |
|------------------------------|--------------------------------------------------------------------------|
| Rated Output Voltage         | 690 VAC                                                                  |
| Rated Output Current         | 1600 A (6 energy storage cabinets are equipped with a 1600 A switch)     |
| Rated Frequency              | 50 / 60 Hz                                                               |
| Input Current for Single ESS | 156 A                                                                    |
| Number of Input Channels     | 6 channels (6 energy storage cabinets are equipped with a 1600 A switch) |
| Ip Grade                     | IP55                                                                     |
| Weight                       | ≤ 750 kg                                                                 |
| Dimensions (W x H x D)       | 800 x 2350 x 1350 (mm)                                                   |

R&D Investment  
(in Millions of USD)

R&D Investment  
Percentage of Total Sales





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## Having A Complete Sheet Metal Production Chain — Sheet Metal Spraying



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## Having A Complete Sheet Metal Production Chain — Production & Assembly



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## Having A Complete Sheet Metal Production Chain — Testing & Inspection



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MEGMEET is a comprehensive solution provider for hardware and software R&D, production, sales, and service in the field of electrical automation. With power electronics and automation control at its core, MEGMEET's main businesses include Power Solutions, Industrial Automation, eMobility & EV Infrastructure, Intelligent Equipment, Home Appliance Control Solutions, and Precision Connection.

MEGMEET has established a robust R&D, manufacturing, marketing, and service platform, with over 8,400 employees, including more than 3,000 R&D staff worldwide. MEGMEET's global presence includes R&D Centers in China, the United States, and Germany; Manufacturing Centers in Thailand, India, the United States, and China; and Regional Offices across North America, South America, Europe, Central Asia, Northeast Asia, Southeast Asia, India, the Middle East, Oceania, and Africa.

MEGMEET is committed to creating a cleaner living environment for all human beings through more efficient energy utilization and improved manufacturing efficiency. MEGMEET aims to become the world leader in electrical automation and achieve the goal of MEGMEET EVERYWHERE.





ODM

OEM



System Components  
Supplier



Mass Customization  
Source Factory



One-Stop  
Solution