

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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MEGMEET is a leading energy storage system (ESS) manufacturer and provider of energy storage solutions. We focus on ESS and provide 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.

- PCS
- BMS
- EMS
- Inverter
- EV Charger
- CCU / TCU / PLC
- Air Conditioner
- ESS
- Battery Pack
- Charging Module
- CCS

MEGMEET reserves the right to modify the technical parameters and appearance of the products in this catalogue without prior advice to the users.

Version: 202508
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Product Advantages

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БĪĀŭēōēĪæŬ κIJ Dñēý
Wide voltage range
- 

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Grid forming design
- 

б řĪæēñĪĀ \ĀŭĀĪ νñκæĀ÷æκIJ
High security design
- 

дĀŬ б кýřĪéæκIJ šĀ÷ĚIJēŇřĀ
Long lifetime and high reliability design

Product Parameters

3 - ~ēýĀ ν éñé Ī ĀæĀñŌ	
Number of Input Channels	1
Voltage Range / Rated DC Voltage	550 to 950 V / 768 V
Maximum DC Current	238 A
- ~ēýĀ ν éñé Ī ĀæĀñŌ	
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%
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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
νñκĪĀ÷æ ν éñé Ī ĀæĀñŌ	
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



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b řĪæéñĪĀ \ĀũĀĪ vñκæĀ÷æèκIJ
High security design



dĀŪ b κýřĪéæèκIJ šĀ÷ĒIJéÑřĀ
Long lifetime and high reliability design

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Product Advantages



I ed'Ё Äč' ÷eÄJ÷Ů
intelligent thermal management and efficient insulation to improve system efficiency



I ed'Ё ÄJÄñdŮ
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 ed'Ё eJæÄñéæekJ
integrated design, all in one



I ed'Ё ÓéčÄæŮ
all-in-one composite fire detection and efficient aerosol fire extinguishing

Product Parameters

3 - JĴñ ře	
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
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Battery Type	LiFePO ₄
Rated Energy	104.5 kWh
Max. Charging / Discharging Current	150 A / 150 A
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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
- JĴñ ře ÷ j Jæd'ñěý†	
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 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)



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Product Advantages



ΒΙΆûéõĬĀ ñ ħĬē÷ éæκĬĬ
Multi-energy dispatch
Vgc l er



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Product A

65

Key Advantages

ΒΙΆûêðĬĂ ħŋĬê÷ éæêĬJ

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

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- Multi-level co
- Support co



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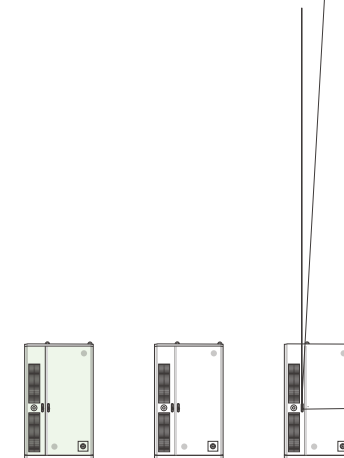


Product Advantages

БІĂűèðĪĂ ħ ħĪ÷ éæκIJ
 Multifunctional dispatch,
 virtual power plants power
 demand-side response
 Peak-valley trading profit



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Product Advantages

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IJæĀĪēd'ĀIJæ - κIJæñκĪ
 Refined thermal management,
 PACK temp difference ≤ 3 °C
 Multi-level control technology
- 

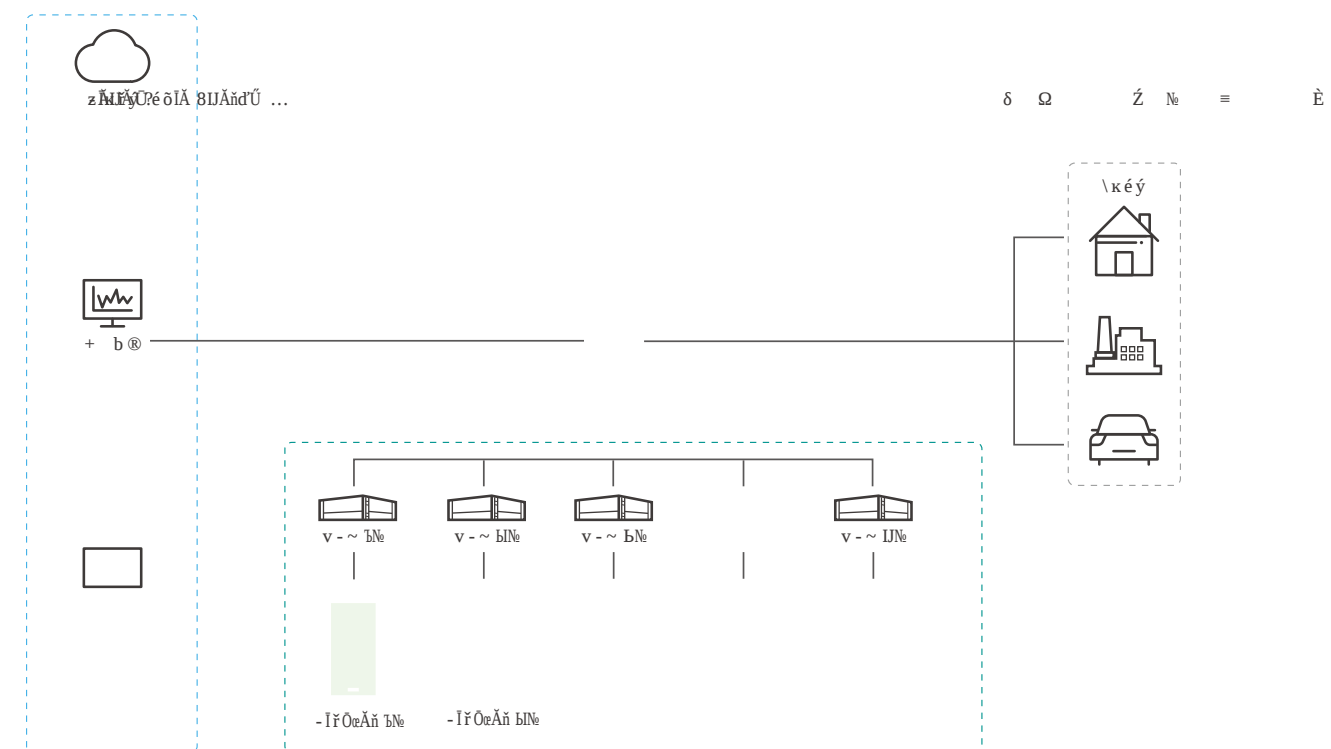
I ēd'Ě ~Ā÷řñēēŮ
 LFP cell
 Multi-level fire protection
 Long lifetime
- 

BĪĀŭēōĪĀ ŋ ŋĪē÷éæκIJ
 Multifunctional dispatch,
 virtual power plants power
 demand-side response
 Peak-valley trading profit
- 

BĪĀŭēōĪĀ 8ŭŋ éIJŌēκIJ
 Supports parallel use of
 multiple machines
 Hierarchical protection of
 the system
 Support elastic expansion
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 Modular cabinet design
 Integrated transportation
 Easy installation and
 maintenance
- 

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 For source-grid or
 customer-side, for all
 loads or AC generators



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Applications

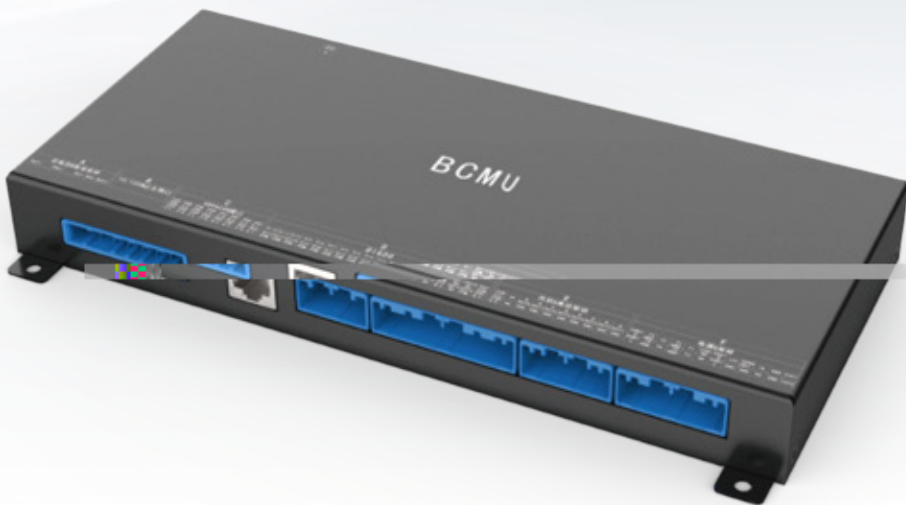
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- 6-52 string cell voltage and temp monitoring, sampling line disconnection detection
- Integrated AFE chip, sampling accuracy (± 1.5 mV voltage & ± 0.5 temp)
- Bidirectional DC / DC active balancing; output constant current and voltage charge & discharge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

Product Parameters

Input voltage: — Ы 3 - ЪŸ œκ ЪЫ ¾	Voltage sampling: — Я œκ ŸЫ ~	Single unit detection: — Щ œκ Ÿ ¾ † Ъ Ĩ ¾†
Active balancing: — +éŸñĂ÷œκĬéĪ Œ ÷κĬŌœéĬœ ÷řñĂĬœ	Operating temperature: — *ŒЩ œκ ЪŸ	Temperature sampling: — ŸŸ ĨĪ é÷ĂŌ
Temperature Detection range: — *ŒЩ œκ ЪЫŸ	Communication interface: — Ъ ÷Ĕ éĬŸĂĪ éŌκĪ éœĂŸ - đЫ„Щ† - đВЗ	

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Applications

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- 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: — Ъ ÷Ĕ éĬŸĂŌ 3 - ЪŸ œκ ЪЫ ¾	Insulation Resistance Monitoring: — ÷÷řñ é÷Ů ЪŸ
Voltage Monitoring: — +éŸñĂ÷œκĬéĪ Œ ÷κĬŌœéĬœ ÷řñĂĬœ	8 Channels Active DO Output: — Ъ ЪЩ ¾
12 Channels Isolated DI Input	4 Channels Passive DO Output: — Ъ ЪЩ ¾3 - κñ Ъ ЪЩ ¾4 -

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

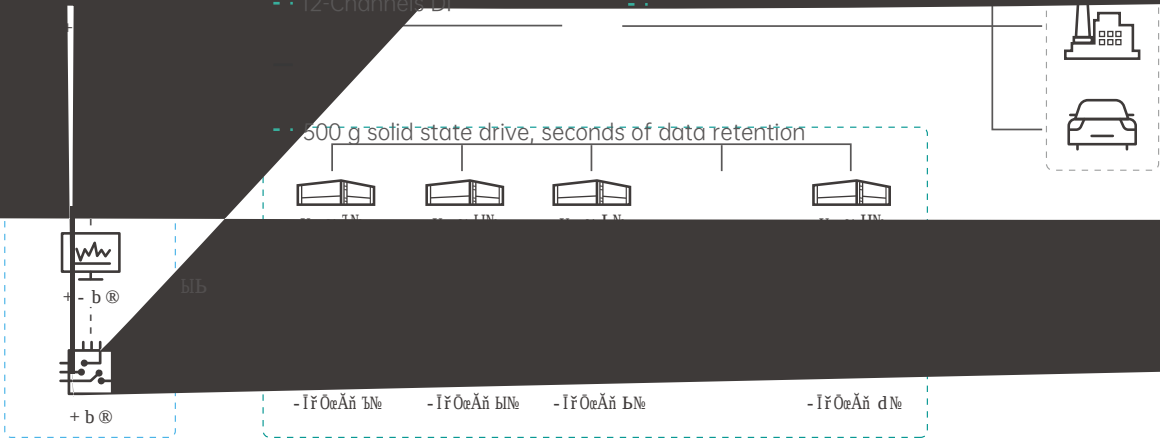
Support overvoltage & undervoltage, overcurrent, differential pressure & temp protection, thermal control

Product Parameter

3-Channels LAN

12-Channels DI

500 g solid-state drive, seconds of data retention



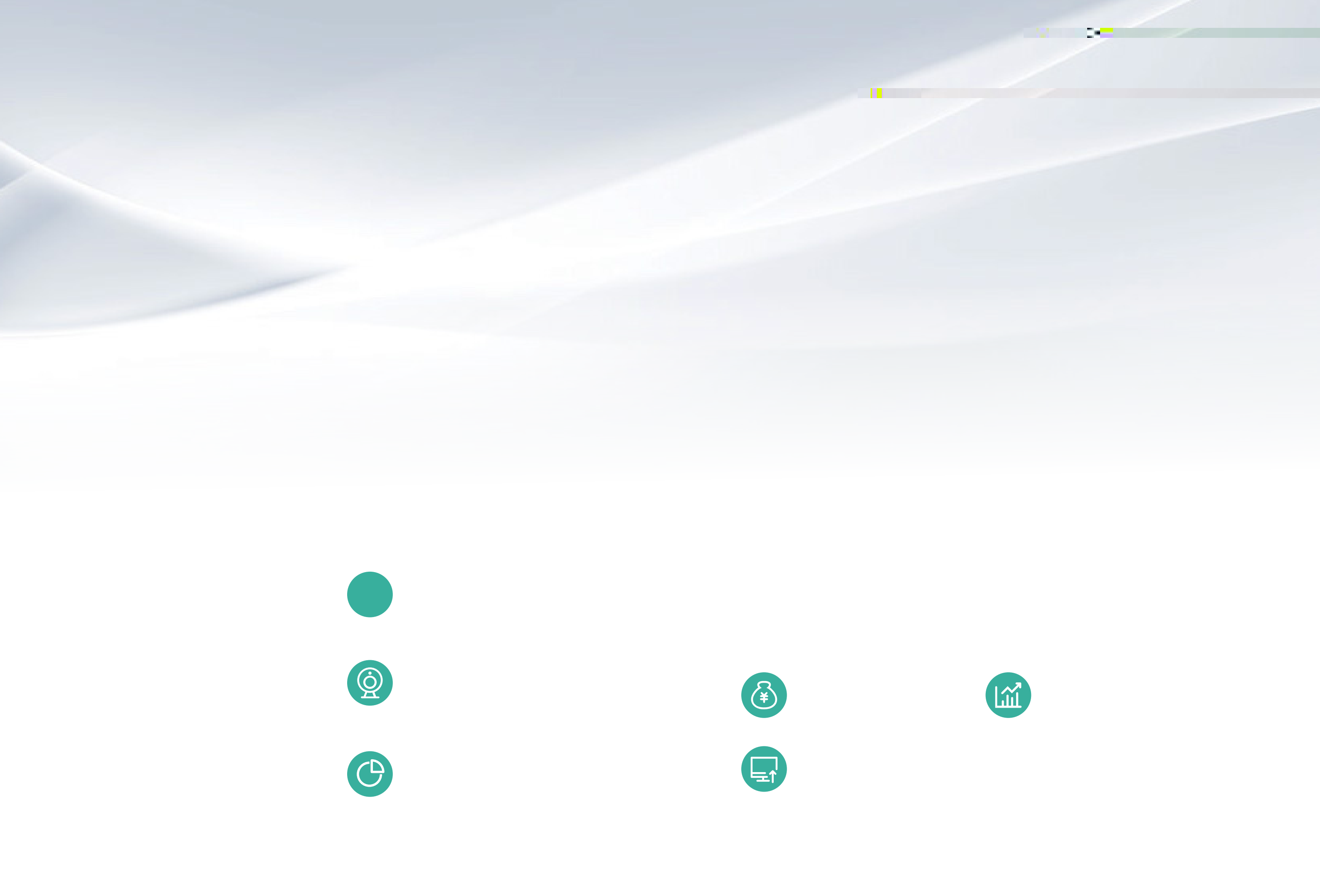
BAMU Monitoring Platform

5-Channels RS485

3-Channels CAN

12-Channels DO

2 g main frequency / 4 g memory, support data refresh, response within 100 ms





Product Parameters

8IĀ÷œē÷éĪ vĀñčkñ Ī éIJ÷Ā	
	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)	
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Thermal Management	
Working Tē	Di de k
Relative Humidity	
Altitude	
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IP Grade	
Total Weight	
Dimensions (W x H x D)	

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Product Advantages



- ~ ĽĴæĀďñéæĀý 3 ĀŌèd'Ľ
CCS sampling
High integration, collect
voltage and temp data
of each cell



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



I èďĚ ~Ā÷ řñæŮ
PACK level fire
protection



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Compatible with active
& passivebalancing The
activebalancing current
can reache 4 A



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Adopting smartliquid
cooling system
Module temperature
difference ≤ +2.5 °C

Product Parameters

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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)
ç κñhèIJd' 8ĽūñκĽ Ī ĀĽæ	
Thermal Management	Liquid cooling
Temperature Range	Charging: 0 °C to +55 °C Discharging: -20 °C to +55 °C
Storage Temperature	-20 °C to +45 °C (1 month) 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



Having A Complete Sheet Metal Production Chain — Sheet Metal Spraying



Having A Complete Sheet Metal Production Chain — Production & Assembly



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.



б†ЭЩЩ
Total Employees



ЪЩ
R&D Centers



Ъ†ЩЩЩ
R&D Staff



В
Manufacturing Centers



Ъ†В ВЩ
No. of Patents & IP Rights

ODM

2EM



System Components
Supplier



Mass Customization
Source Factory



One-Stop
Solution