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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

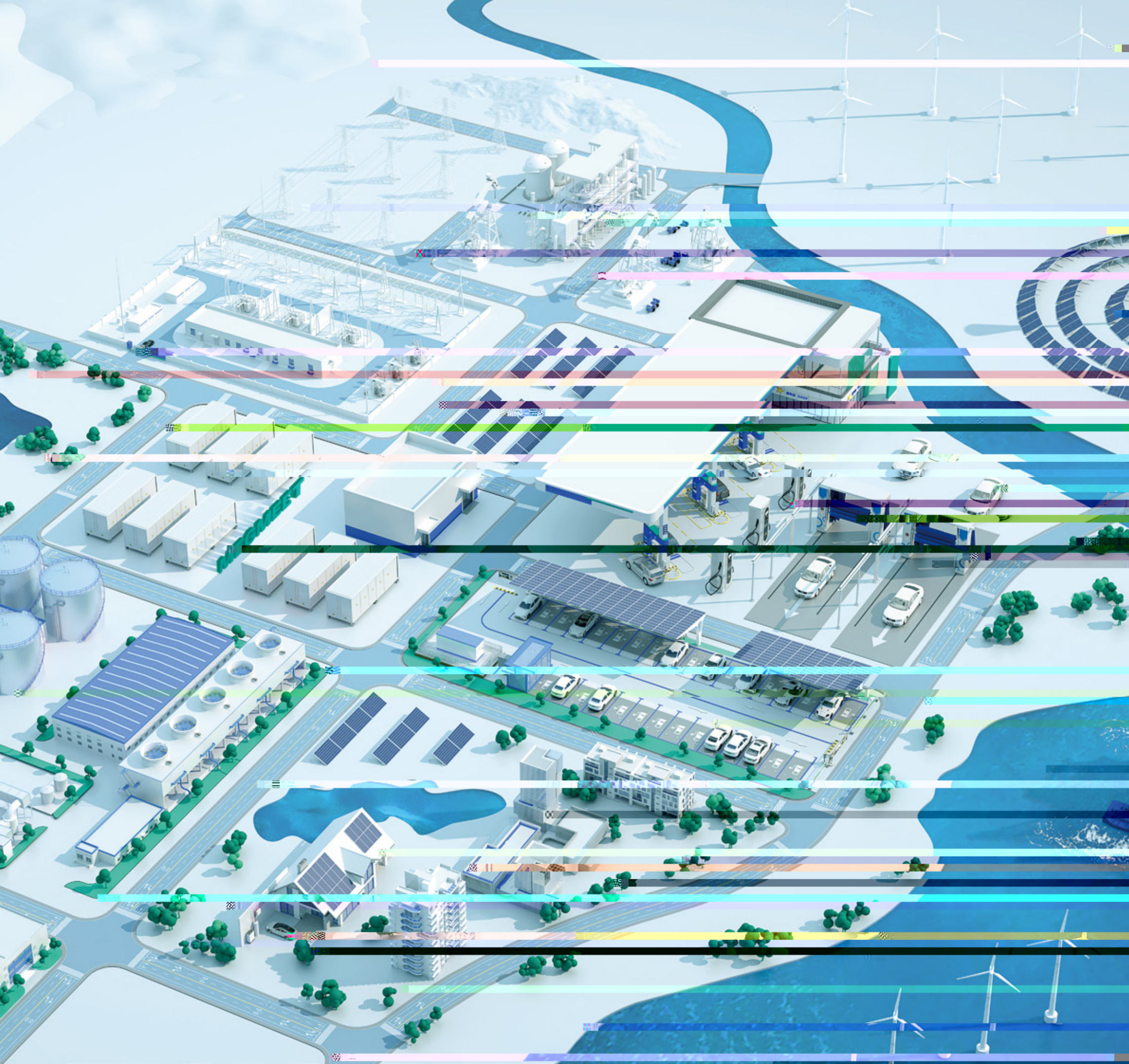
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en.megmeet.com
info@megmeet.com

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

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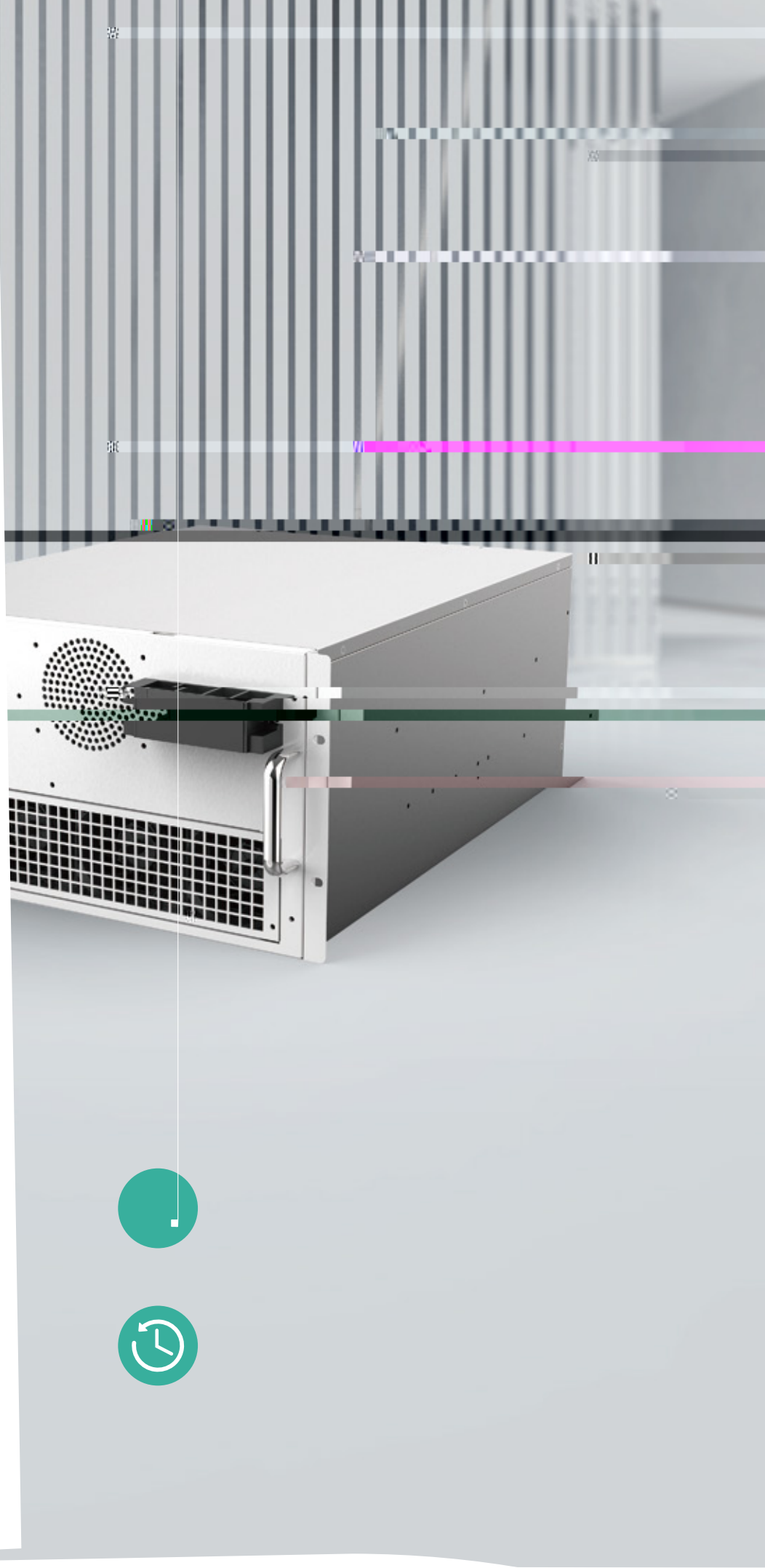
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Product Advantages

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БІАŭĕōĚŃŃ Ț İ Dŕĕŭ
Wide voltage range
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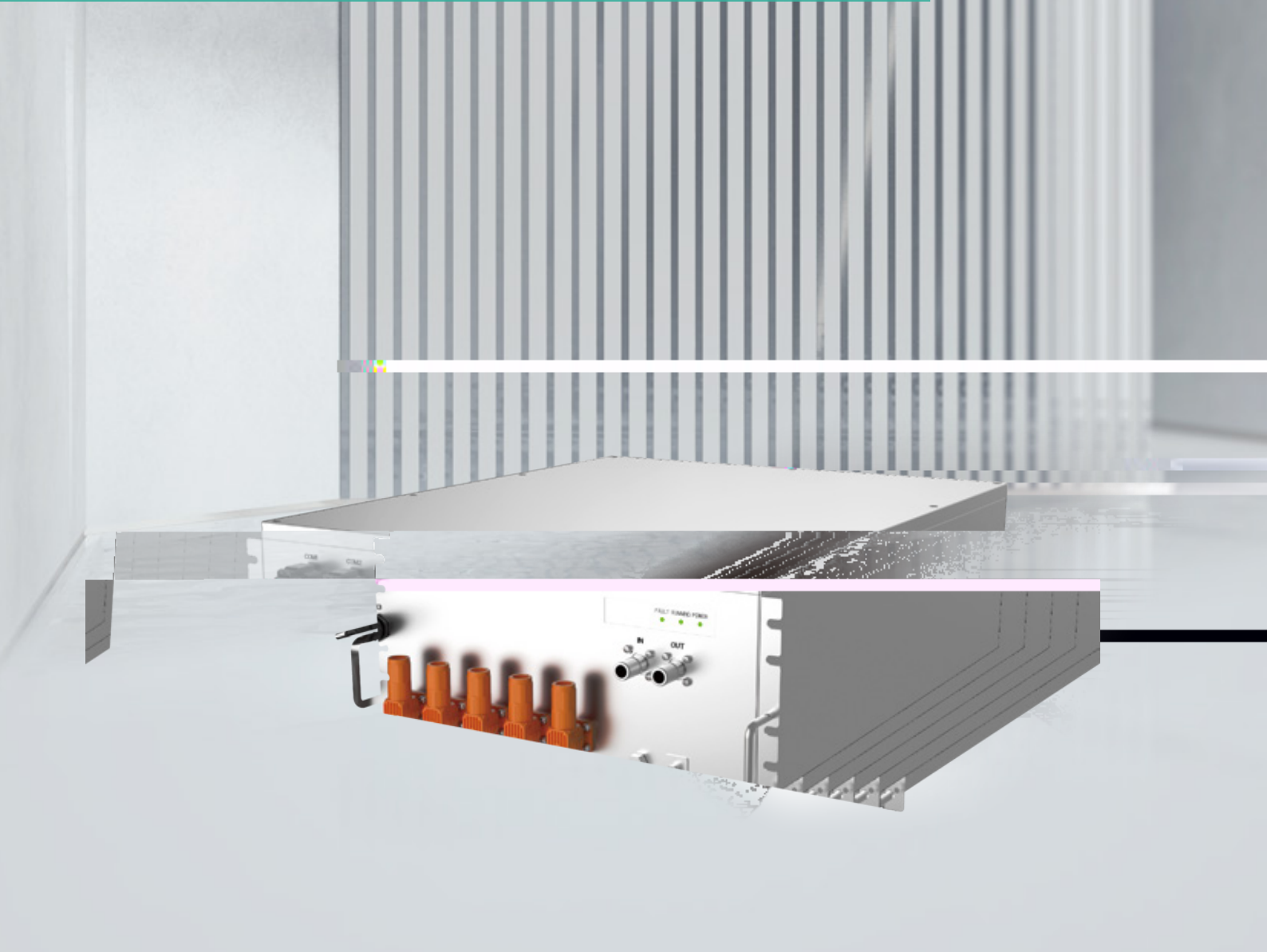
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Grid forming design
- 

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High security design
- 

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Long lifetime and high reliability design

Product Parameters

3 - ~ĕŭ Ā ν ċ η ċ İ ĀŃŃŃŃ	
Number of Input Channels	1
Voltage Range / Rated DC Voltage	550 to 950 V / 768 V
Maximum DC Current	238 A
- ~ĕŭ Ā ν ċ η ċ İ ĀŃŃŃŃ	
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
ν η Ț ŃŃŃŃ ν ċ η ċ İ ĀŃŃŃŃ	
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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High security design



Long lifetime and high reliability design

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Product Advantages



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



I ěčĚ Āi ĀņčŮ
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 ðĀčņçðĕĲi
integrated design, all in one



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

Product Parameters

3 - Ĺi ĺ řó	
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
- Ĺi ĺ řóv ĵ Ĺ`čņĕŮz	
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



ΒΙΔυέοΙΑ
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



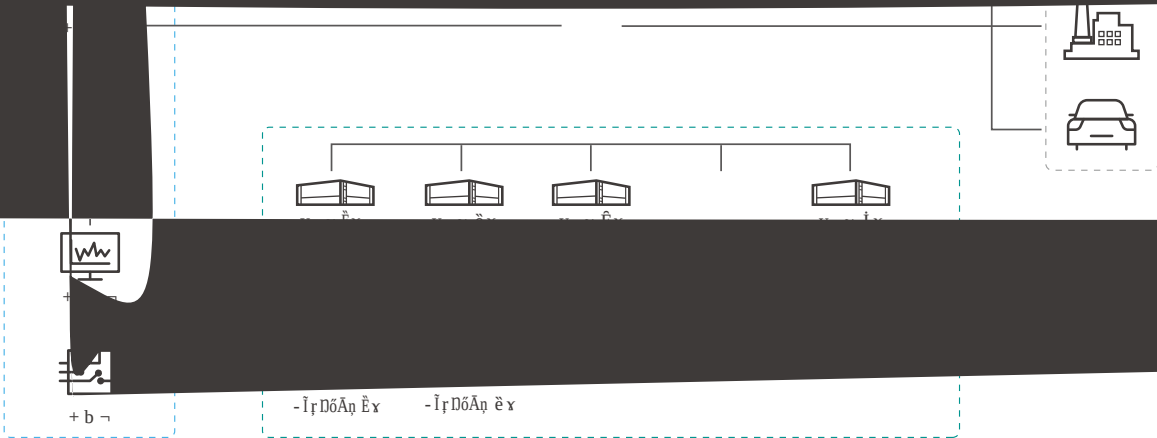
Multi-level control architecture
Support cloud technology
Intelligent temperature control



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 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)



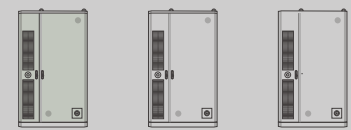
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Product Advantages

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

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Product Advantages

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

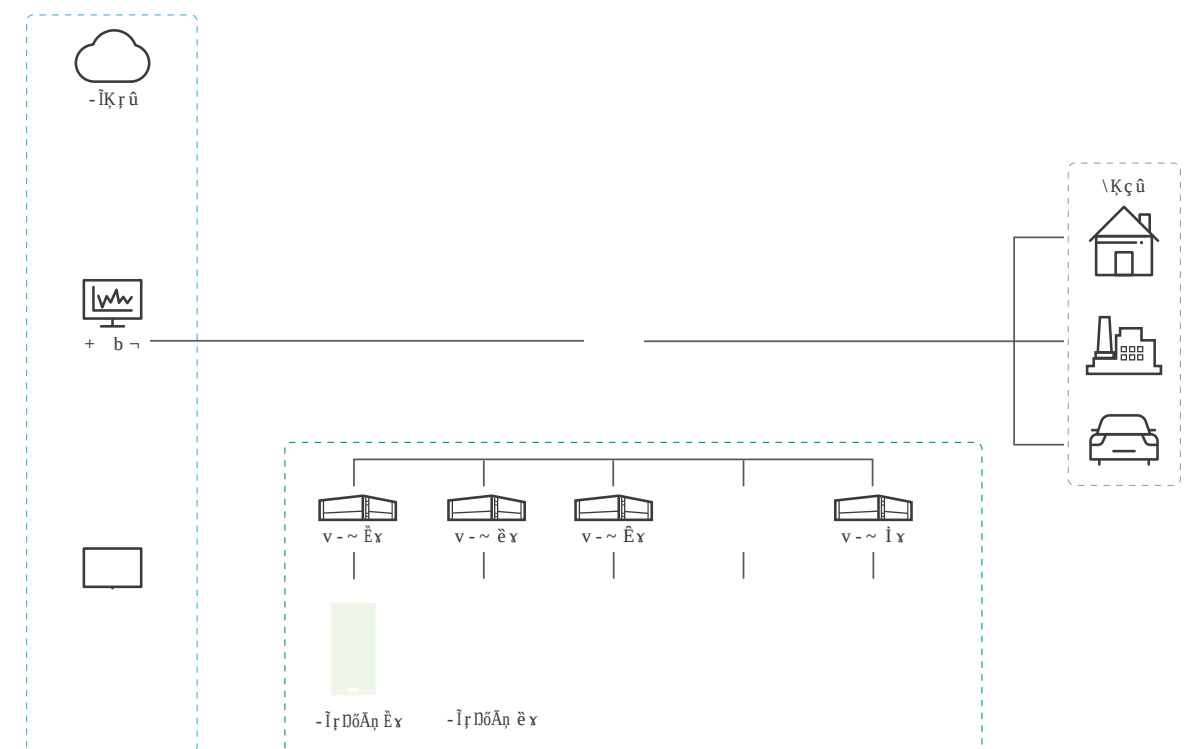
ĨēčĒ ~ĀōŗņēōŮ
 LFP cell
 Multi-level fire protection
 Long lifetime
- 

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

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 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
- 

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



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Applications

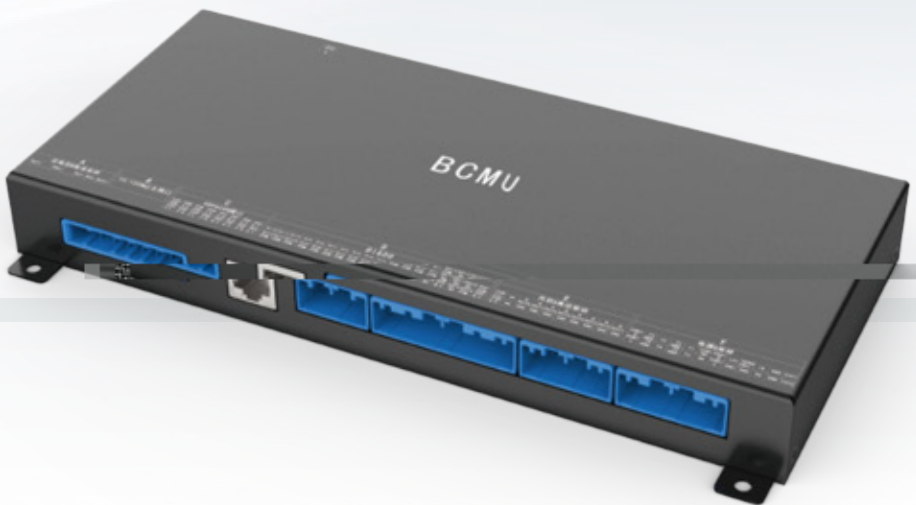
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- 6-52 string cell voltage and temp monitoring, sampling line disconnection detection
- Integrated AFE chip, sampling accuracy (± 1.5 mV voltage & ± 0.5 temp)
- Bidirectional DC / DC active balancing; output constant current and voltage charge & discharge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

Product Parameters

Input voltage: — 3 - Èĩ óĶ Êĕ ¼	Voltage sampling: — ĺ óĶ Ĩĕ ~	Single unit detection: — ā óĶ Ĩ ¼ŷ Ê ĺ ¼ŷ
Active balancing: — +ĕũĕñĀóóĕĶĩ çĩ ĕ òĶĩñóç Ĩó òŷññĀĩó	Operating temperature: — `ĕā ģ óĶ' ĺ Ĩ ģ	Temperature sampling: — Ĩĩ ĨĩçóĀĀ
Temperature Detection range: — `ĕā ģ óĶ' Êĕ Ĩ ģ	Communication interface: — È òĒç ĺ ĨĀĩ ĕñĶĩçóĀũ - ðĕĕā - ðB3	

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Applications

+ çóóĀñŮ òĩŷñóĀñ ĺ ç ĺ ç čĀ ĺ Āĩóĵ Èĩ ā ā¼ ĕĶĩóç čĀ ó çóóĀñŮ ðŮñóĀ ĺ ĵ - ħL 8~~ ç ĺ ũ - ĶĩóçĕĩĀñ 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 òĒç ĺ ĨĀĩñ 3 - Èĩ óĶ Êĕ ¼	Insulation Resistance Monitoring: — òòŷñçóŮ, Èĩŷ
Voltage Monitoring: — +ĕũĕñĀóóĕĶĩ çĩ ĕ òĶĩñóç Ĩó òŷññĀĩó	8 Channels Active DO Output: — ĕ ϕ Êā ¼
12 Channels Isolated DI Input	4 Channels Passive DO Output: — Ê ϕ Êā ¼'3 - Ķñ 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
 - 12-Channels DI
 - 2 g main frequency / 4 g memory, support data refresh, response within 100 ms
 - 500 g solid state drive, seconds of data retention
- 5-Channels RS485
 - 12-Channels DO
- 3-Channels CAN

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 lo interface
- Real time data monitoring
- Support redevelopment for cloud platform





Product Parameters

81Åðõñěð çĬ v ÅñćKñ Ĭ ç Ĭ ðÃ					
		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 Temperature Range	em	L)R	)Al		
Relative Humidity					
Altitude					
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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



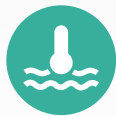
Compatible with
280 /314 / 320 Ah battery cell
Smoothly replaced and
upgraded



PACK level fire protection



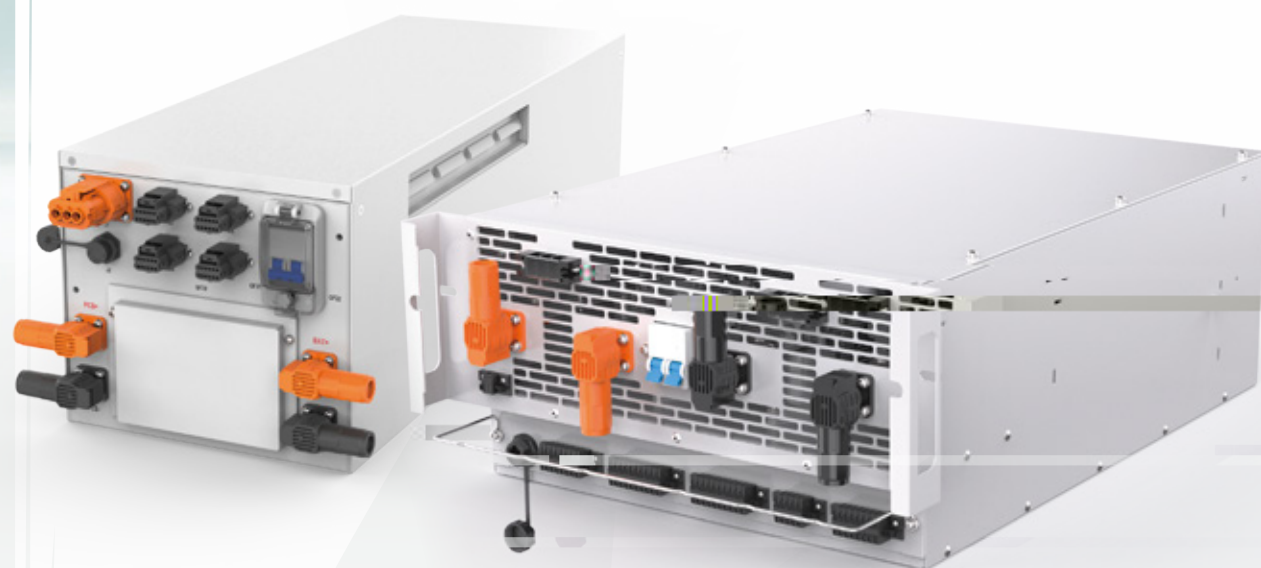
Compatible with active & passive balancing
The active balancing current can reach 4 A



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

Product Parameters

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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)
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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



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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.



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Total Employees



Èâ
R&D Centers



Êaâ â â'
R&D Staff



Ò
Manufacturing Centers



ÈaÒÒÒ â'
No. of Patents
& IP Rights

ODM

2EM



System Components
Supplier



Mass Customization
Source Factory



One-Stop
Solution