| Home Appliance Control Solutions | Precision Connection

8İĀņčŮ ~őĶņçčĀ ~ĶĨŗőëĶİ

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.

v¼ ϖ 8~~ ϖ 8¼ -Ēçņčëİč ~ĶĨŗőëĶİ

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

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Version: 202508

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Megmeet

Engineered to Empower

-ĶİőĀİőŋ

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Product Advantages

BĬĀŭěóëĨëőŮ ĶİDņëû
Wide voltage range

vçņçĨĨĀĨ - ĶİİĀõőëĶİ çİû bĶûŗĬçņ 3ĀDěčİ
Grid forming design

b ŗĬőëłĬĀ \ĀłĀĨvņĶőĀõőëĶİ
High security design

dĀŨ bĶûŗĬçőëĶİ ¦ĀõĒİëŅŗĀ
Long lifetime and high reliability design

Product Parameters

3 - ~ěûĀ vçņç ļ ĀõĂņD	
Number of Input Channels	1
Voltage Range / Rated DC Voltage	550 to 950 V / 768 V
Maximum DC Current	238 A
- ~ěûĀ vçņç ļ ĀõĂņD	
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%
8İ ŧěņĶİ ļ ĀİõçĬ - ĶİûěõëĶİ vçņç ļ ĀõĂņD	
Allowable Relative Humidity	0 to 95% Rh (no condensation)
Allowable Altitude	4000 m
Operating Ambient Temperature	-25 ℃ to +60 ℃
Storage Temperature	-40 ℃ to +70 ℃
vņĶűĀõõ vçņç ļ ĀõĂņD	
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
Commnunication Protocal	Modbus TCP / RTU, CAN2.0, IEEE 802.22b / g / n

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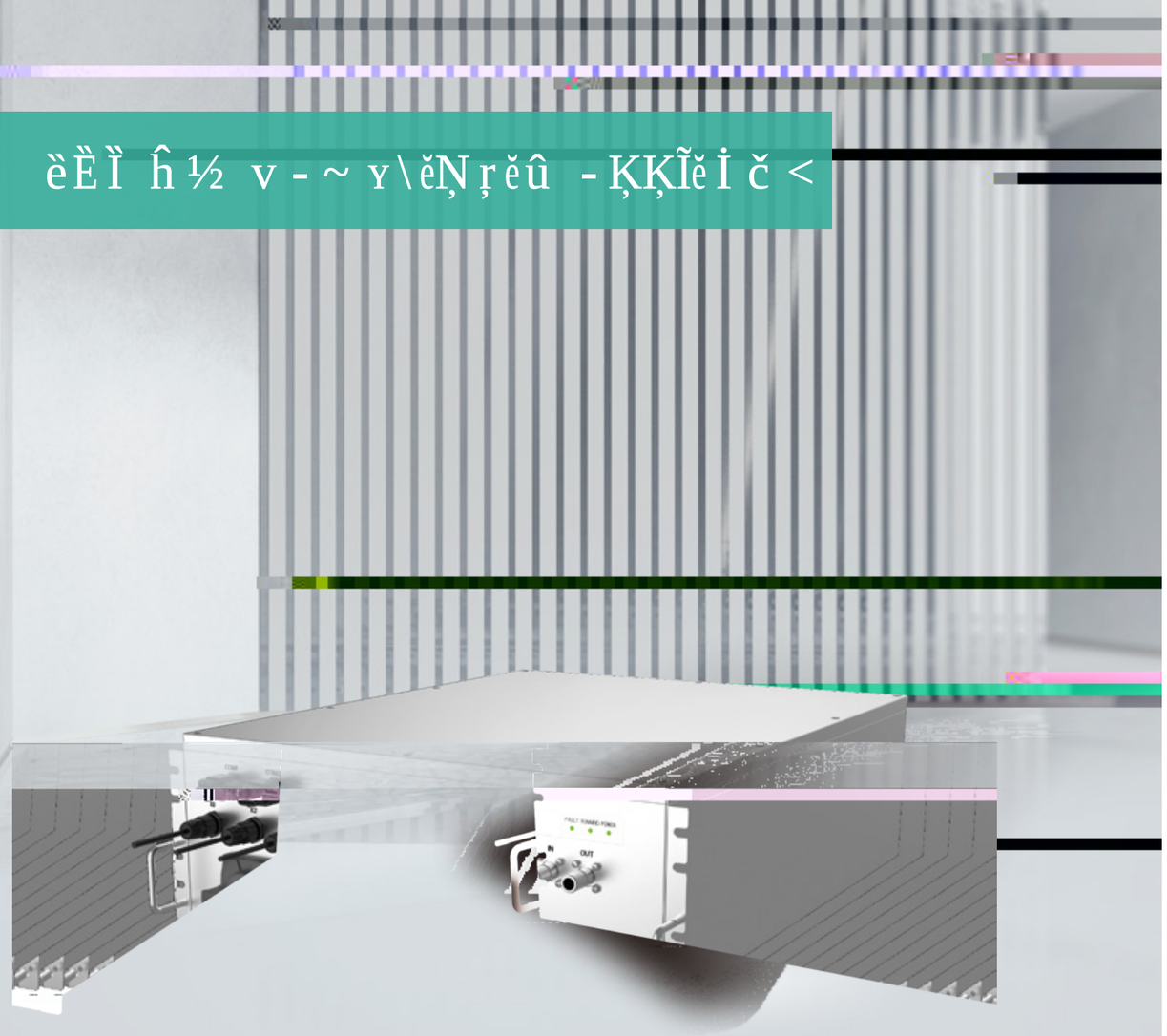

Product Advantages

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vçņçĨĨÃĨ -ĶİİÃõőëĶİ çİû bĶûŗĨçņ 3ÃŊěčİ

bŗĨőëłĨÃ \ÃtÃĨ vņĶőÃõőëĶİ

High security design

dÃŨ bĶûŗĨçőëĶİ ¦ÃõĒİëŅŗÃ

Long lifetime and high reliability design

I Ůóņěû +8~~ Ì â ĥ½ ш È â â ĥ½ Ē

Product Advantages

I ěčĒ Āċƒ õěÃİ õŮ

intelligent thermal management and efficient insulation to improve system efficiency

I ěčĒ ěİőÃčņçőëĶİ

integrated design, all in one

I ěčĒ ÃİÃņčŮ

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 ěčĒ ŊçċÃőŮ

all-in-one composite fire detection and efficient aerosol fire extinguishing

Product Parameters

3 - ŁÎ ł ŗő	
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
+ çőőÃņŮ v ç ņç Ļ ĀőÃņD	
Battery Type	$LiFePO_4$
Rated Energy	104.5 kWh
Max. Charging / Discharging Current	150 A / 150 A
- j ŗő ł ŗő v j Í `čņěûz	
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
- ŁÎ ł ŗő v j Í `čņěûz	
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 ℃, 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 ℃ to +55 ℃ Discharging: -20 ℃ to +55 ℃
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

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Multi-energy dispatch
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j İ`čņěû ëÈÌ Ĥ½ ш êÈî Ĥ½Ē \ěŅŗěû -ĶĶĨěİč

Product Advantages

BĬĂŭěóĨĀ ł łĬěõçőëĶİ

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

j İ`čņěû ÈèÌ Ĥ½ ɯ èìÈ Ĥ½Ē \ěŅŗěû -ĶĶĨěİč

Product Advantages

LİőÃĨĨěčÃİő -ĶİőņĶĨ

Refined thermal management,
PACK temp difference ⩽ 3 ℃
Multi-level control technology

İěčĒ ~Ãõŗņěő Ů

LFP cell
Multi-level fire protection
Long lifetime

BĬÃŭěóĨÃ łłĬèõçőëĶİ

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

BĬÃŭěóĨÃ 8ŭłçİĐëĶİ

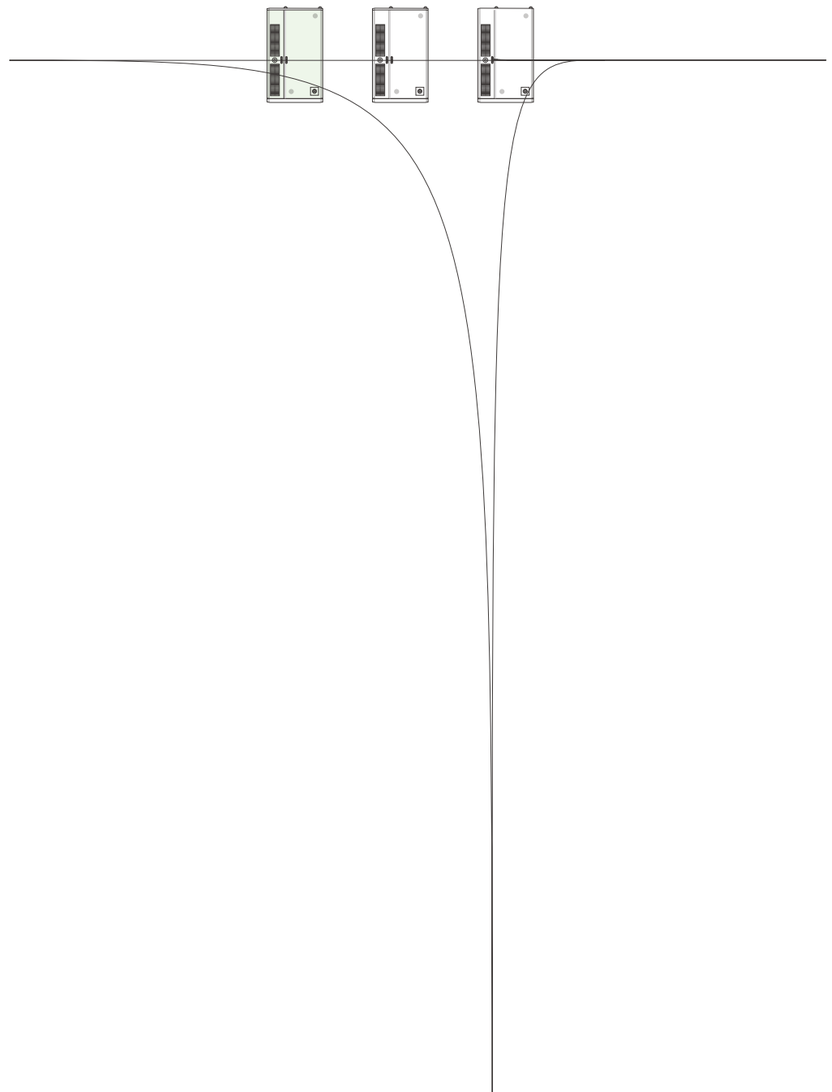
Supports parallel use of
multiple machines
Hierarchical protection of
the system
Support elastic expansion

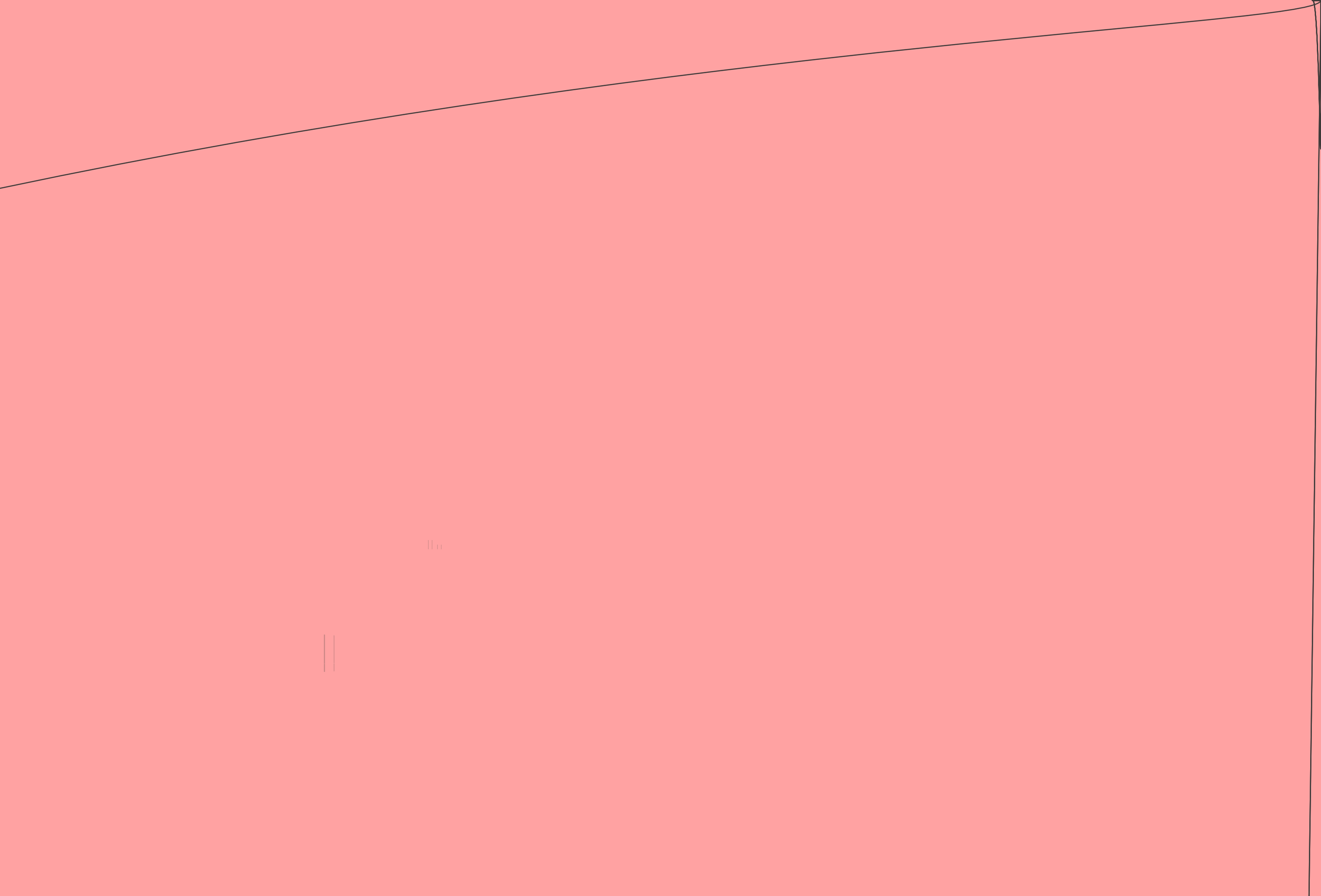
yŗěõĥĨŮ vŗőěİőĶ jłÃņçőëĶİ

Modular cabinet design
Integrated transportation
Easy installation and
maintenance

İěčĒ ûçłőçóëĬěőŮ

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:	— DC 16 to 32 V	**Voltage sampling:**	— 6 to 52 S	**Single unit detection:**	— 0 to 5 V (±3 mV)
Active balancing:	— idirectional 4A constant current	**Operating temperature:**	— -40 ℃ to +85 ℃	**Temperature sampling:**	— 56 places
Temperature Detection range:	— -40 ℃ to +125 ℃	**Communication interface:**	— 1 channel isolated CAN2.0/CANFD		

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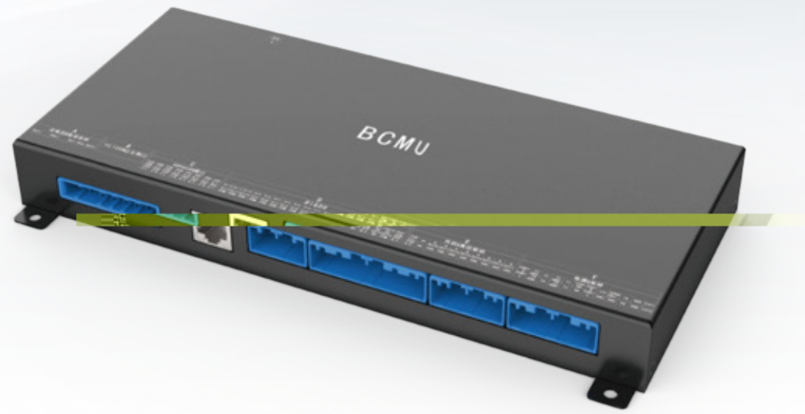

Applications

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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:	— 2 channels DC 16 to 32 V	**Insulation Resistance Monitoring:**	— Accuracy ±15%
Voltage Monitoring:	— idirectional 4 A constant current	**8 Channels Active DO Output:**	— 2 A @ 30 V
12 Channels Isolated DI Input		**4 Channels Passive DO Output:**	— 3 A @ 30 V-DC or 3 A @ 250 V-AC

BAMU M

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

8ÎÃõóŋèõçÎ vĂŋćĶŋ Į ç İ õĀ	
	14.336 kWh
	1P16S
	280 Ah
	51.2 V
	40 to 58.4 V
	0.5P
	0.5P
	> 6000 times (@ +25 ℃, 0.5 P, 80 % EOL)
½ĶŋĤëİč 8İ ŧëŋĶİ Į ĂİőĂ	
Thermal Management	
Working Temperature Range	Ai C C Wc 1Cm Ai C CC C t C 1 1
Relative Humidity	
Altitude	
~õŋŗõóŗŋĂ łłĂçŋçİõĂ	
IP Grade	
Total Weight	
Dimensions (W x H x D)	

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Product Advantages

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

İěčĒ -Ķ Į łçőëóëĨëőŮ

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

İěčĒ ~ĀðŗņëőŮ

PACK level fire protection

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

\ëŅŗěû -ĶĶĨëİč

Adopting smartliquid cooling system
Module temperature difference ⩽ +2.5 ℃

Product Parameters

8ĨĀõőņëõçĨ vņĶłĀņőëĀD	
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 ℃ , 0.5 P, 80% EOL)
½Ķņĥëİč 8İtěņĶİ Į ĀİőĀ	
Thermal Management	Liquid cooling
Temperature Range	Charging: 0 ℃ to +55 ℃ Discharging: -20 ℃ to +55 ℃
Storage Temperature	-20 ℃ to +45 ℃ (1 month) 0 ℃ to +35 ℃ (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

Spraying Equipment

Spraying Equipment

Spraying Equipment

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

Charging Pile Assembly Production Workshop

Energy Storage Cabinet Assembly Workshop

PACK Production Line

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

RoHS Testing Equipment

Salt Spray Testing Machine

Waterproof Test System

Load Testing Machine

Smoke Test Machine

Aging Test Cabinet

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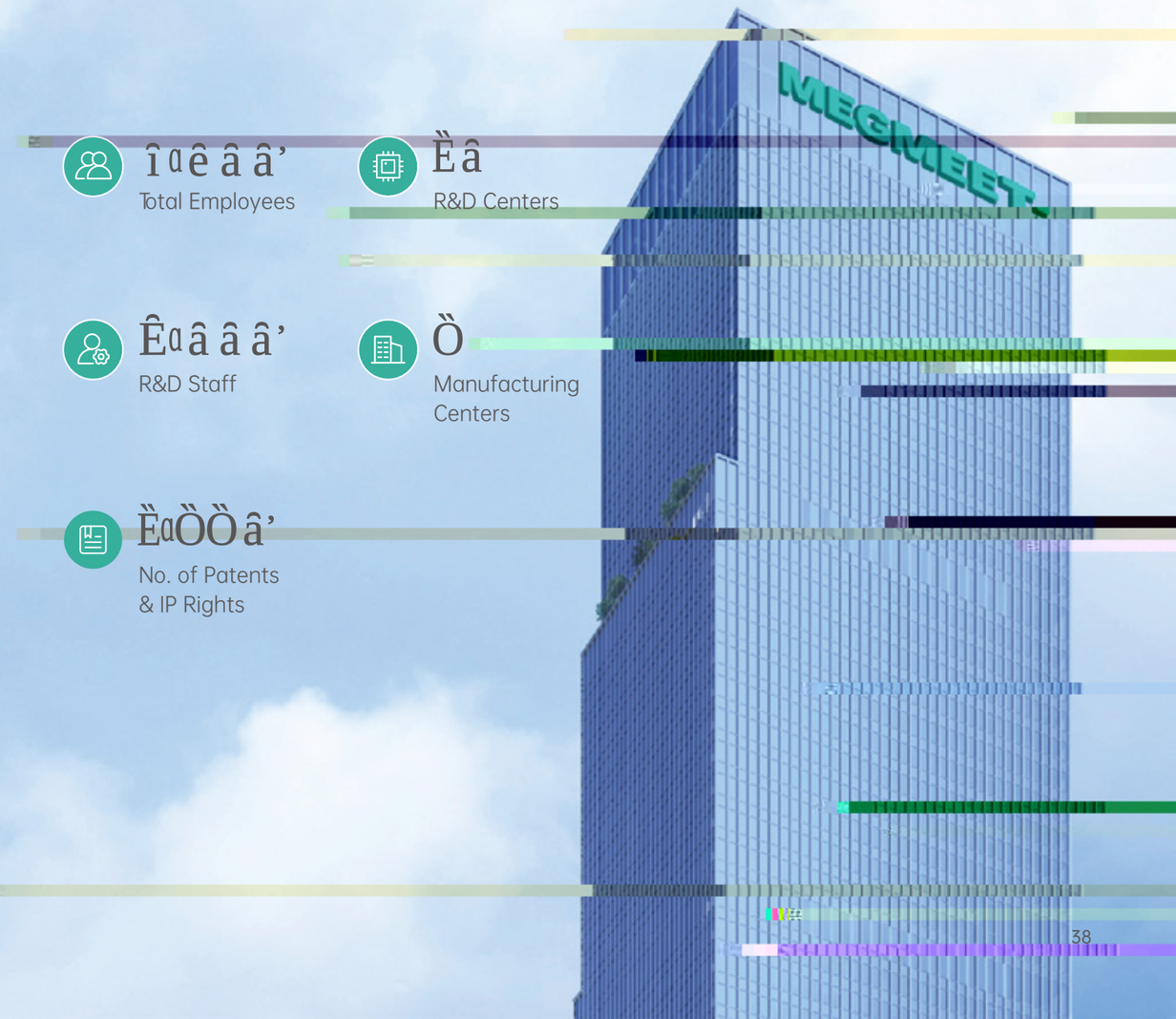
MEGMEET is a comprehensive solution provider for hardware and software R&D, production, sales, and service in the field of electrical automation. With power electronics and automation control at its core, MEGMEET's main businesses include Power Solutions, Industrial Automation, eMobility & EV Infrastructure,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

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R&D Centers

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R&D Staff

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Manufacturing Centers

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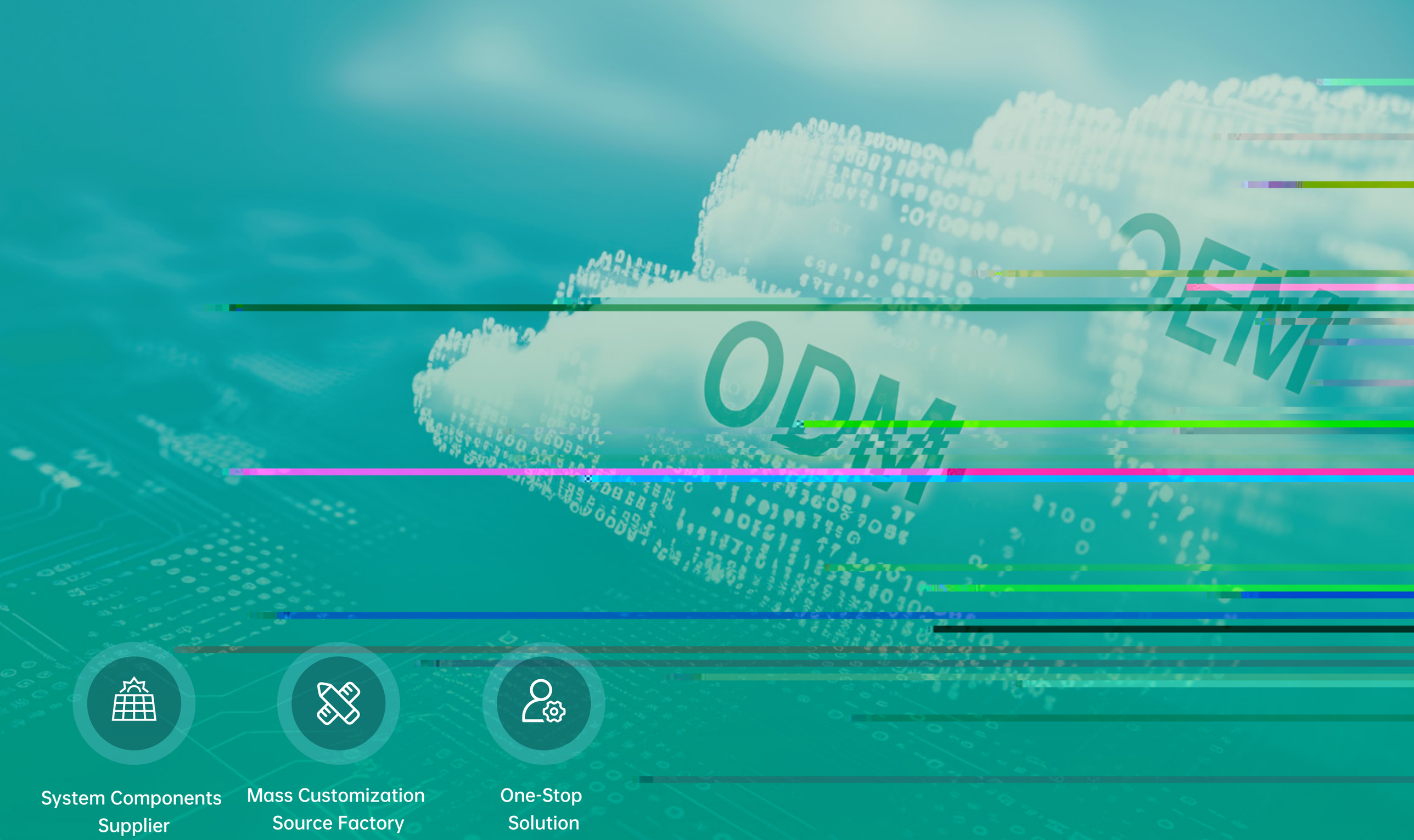
No. of Patents & IP Rights



System Components Supplier

Mass Customization Source Factory

One-Stop Solution