Commercial & Industrial

Energy Storage Solutions

FOR US MARKET

Renon Power Technology Inc.

2025-5-6

RENON
RENON POWER

Renon Power

We Care About Sustainability

With our own R&D team and automated production factory, we are dedicated to delivering innovative, reliable, and affordable energy storage solutions to customer globally.

At Renon, we believe that sustainable energy is the future. We are passionate about reducing carbon emissions and preserving our planet for future generations. That's why we invest heavily in research and development, leveraging the latest technologies to design and manufacture energy storage systems that are efficient, scalable, and adaptable.

Our products are designed to meet the needs of a wide range of applications, from residential and commercial buildings to industrial facilities and utility-scale projects. Whether you're looking to reduce your energy bills, increase your energy independence, or support your sustainability goals, Renon has the right solution for you.

Our commitment to quality and customer satisfaction is unwavering. We work closely with our clients to understand their unique needs and provide customized solutions that meet or exceed their expectations. We also provide comprehensive technical support, maintenance, and warranty services to ensure that our customers get the most out of their investment.

JOIN US ON OUR MISSION TO MAKE RENEWABLE ENERGY WITHIN REACH.

PROVIDE INNOVATIVE, RELIABLE, AND AFFORDABLE ENERGY STORAGE SOLUTIONS TO CUSTOMERS WORLDWIDE.

Content

Meeting the highest standards of quality and safety in the global market.

Industry Application

Renon's energy storage products are extensively applied across residential, commercial, and industrial sectors. With exceptional performance, cutting-edge technology, and efficient energy management, they provide reliable, innovative, and eco-friendly energy solutions, helping global users achieve their sustainability goals.

Industrial
Manufacturing

Commercial
Retail

Commercial
Office Space

Commercial
Lowercase

Commercial
Data Centers

Commercial
Lowercase

Industrial
Electricity Generating

Commercial
Community

Public Safety Sector
Lowercase

As a company that values renewable energy, we are passionate about developing solutions that contribute to a greener, more sustainable future. Our products are designed to reduce carbon emissions and promote environmental conservation.

Products

Our integrated C&I solutions offer autonomous energy storage and management for commerce and industry.

Battery Storage System

P03
ECube 60AP

P09
MPack 233A

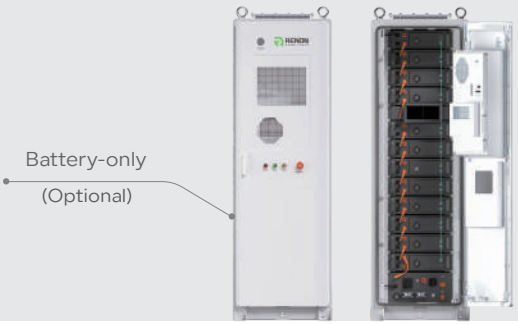
Distribution Container System

P13
Smart Matrix B

ECube 60AP

60kWh Air-Cooling Battery

The ultimate commercial and industrial energy storage solution with optimized temperature control, high-rate energy cycling, comprehensive fire and gas safety detection, and advanced integrated power management technologies.



Product Function

Efficient Energy Storage

Stores 60 kWh of electricity for future use, ensuring a stable energy reserve. It supports multiple energy inputs, including solar power, diesel generators, and the grid, providing flexible power integration.

Reliable Backup Power

Acts as an emergency power source during grid failures, ensuring critical equipment remains operational. With uninterrupted power supply capabilities, it is ideal for data centers, hospitals, and other essential facilities.

Smart Load Balancing

Optimizes energy usage by charging during off-peak hours and discharging during peak demand, helping balance the grid load. By leveraging time-of-use pricing, it effectively reduces electricity costs.

Independent Off-Grid Power

Provides a reliable power supply in areas without grid access, making it suitable for homes, businesses, and communities. As a core component of microgrids, it ensures stable and efficient energy distribution.

Intelligent Energy Management

Utilizes an advanced Energy Management System (EMS) to optimize charging and discharging strategies. Remote monitoring and management capabilities enhance operational efficiency and system performance.

Scalable & Flexible Design

Features a modular design that supports parallel system integration for expanded capacity. Its flexible configuration allows adjustments in power output and storage capacity to meet diverse energy needs.

Product Features

High Energy Density

Built with high-energy-density batteries, this system features a compact design, making it ideal for space-constrained environments. Its lightweight structure enhances ease of installation and transportation.

High-Efficiency Power Conversion

With superior charge and discharge efficiency, it minimizes energy loss while delivering millisecond-level response times to meet urgent power demands.

Extended Lifespan

Designed for longevity, it supports thousands of charge-discharge cycles with minimal degradation, ensuring stable long-term performance.

Enhanced Safety & Reliability

Equipped with multiple protection mechanisms, including safeguards against overcharging, over-discharging, overheating, and short circuits. Fire-resistant materials and flame-retardant design further enhance operational safety.

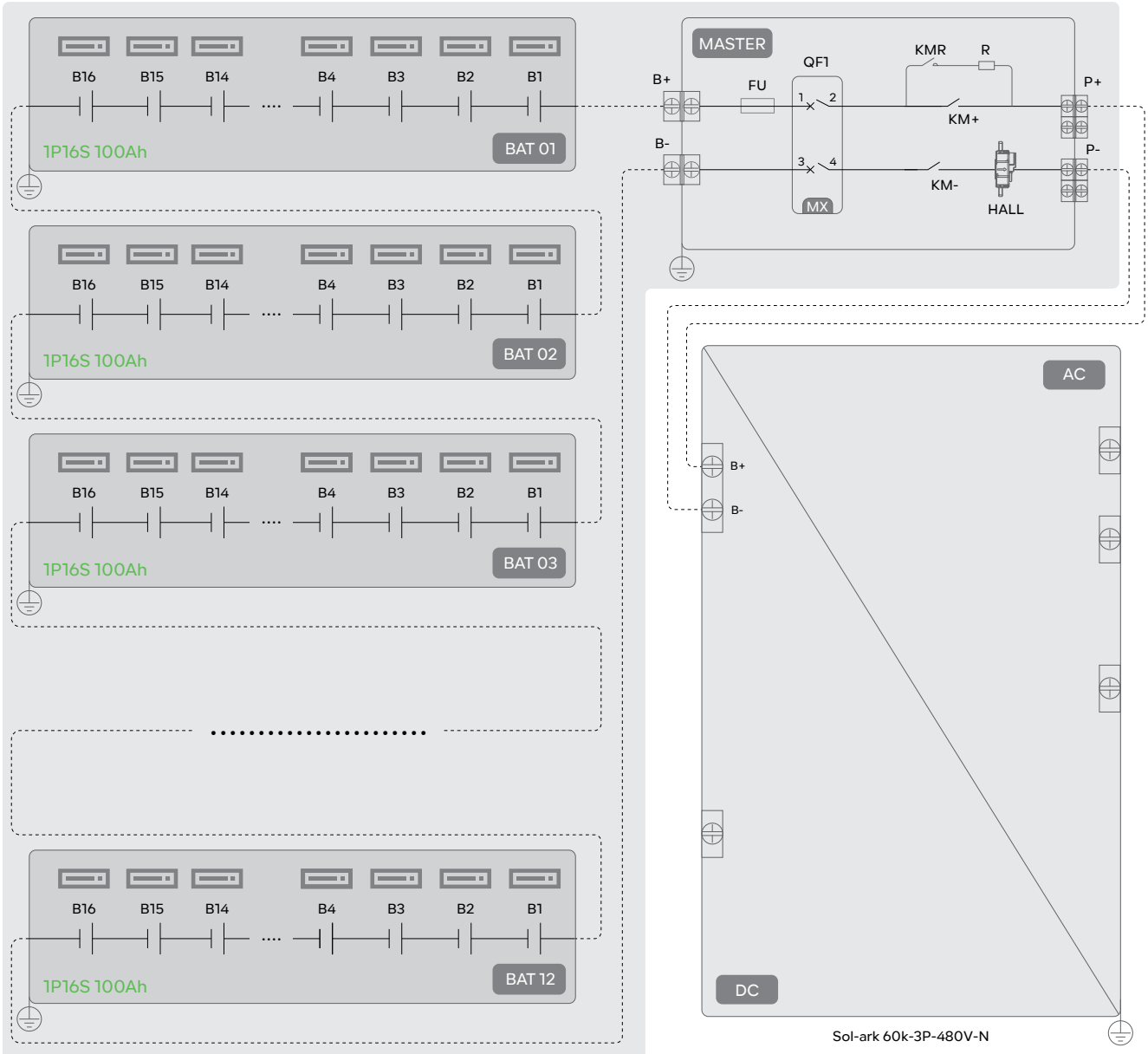
Application Scenario

MANUFACTORY

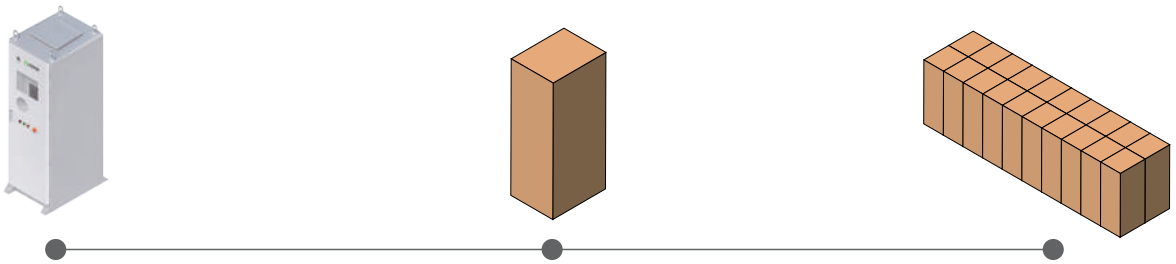
OFFICE SPACE

SUPERMARKET & KIOSK

Product Topology(For 480V System)



Packaging & Shipping Details

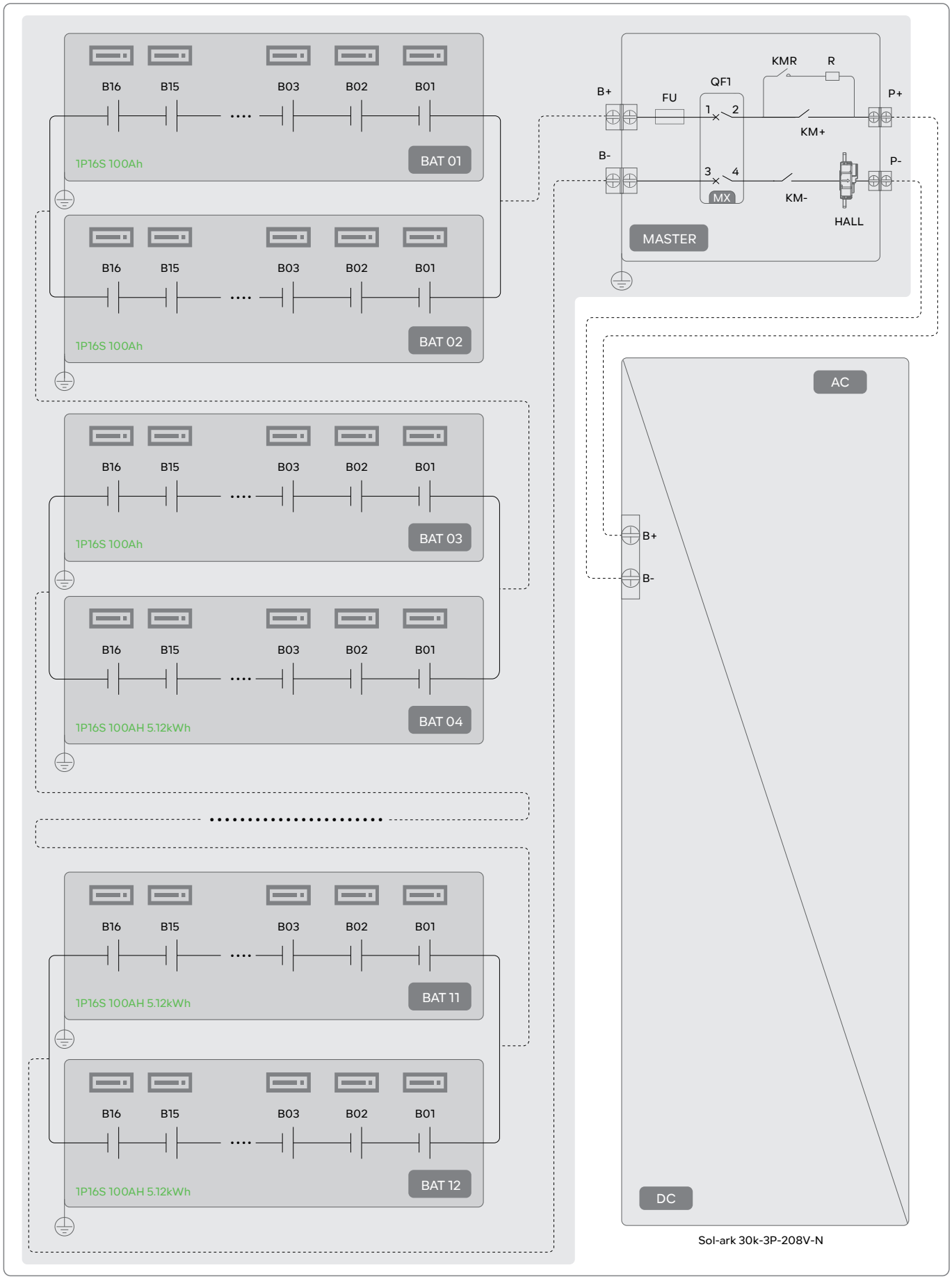


Product
29.5*37.4*89.7in
~2314.8lb

1Set
33.46*41.34*92.52in
~2425lb

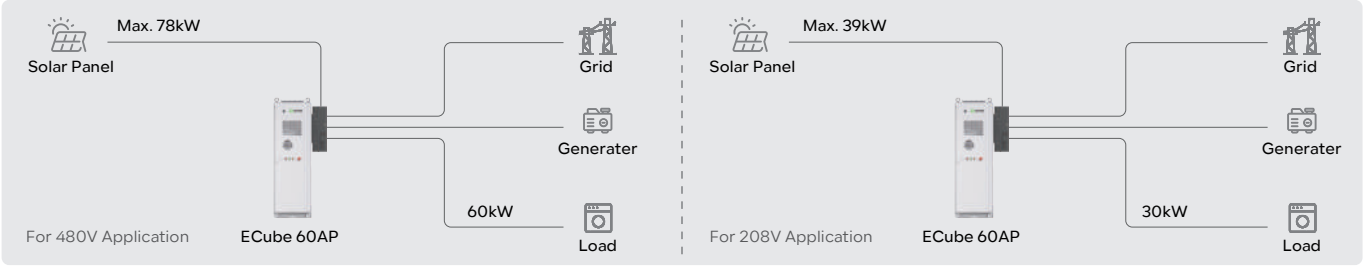
40C
20 Set
~48501lb

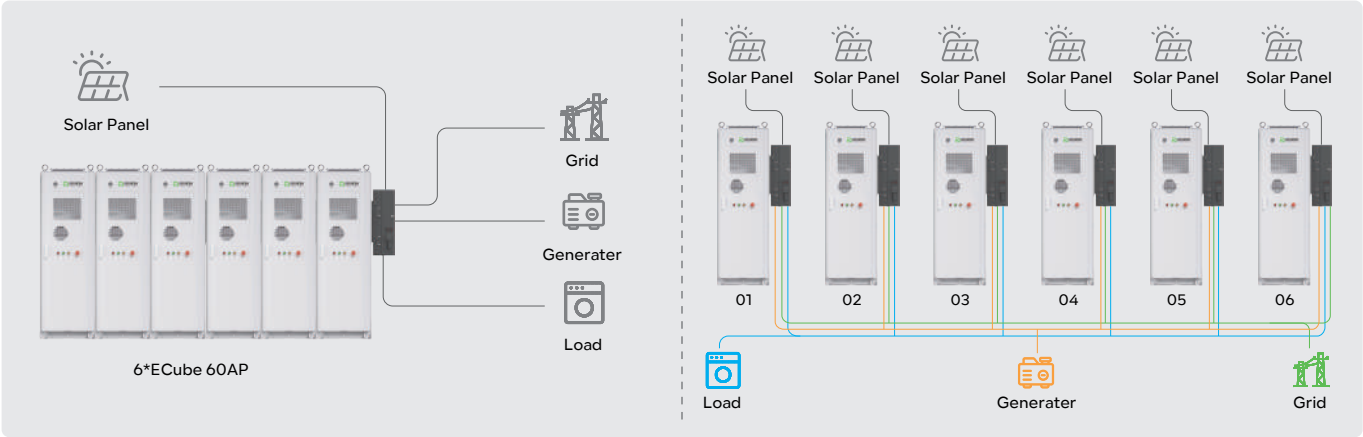
Product Topology(For 208V Application)



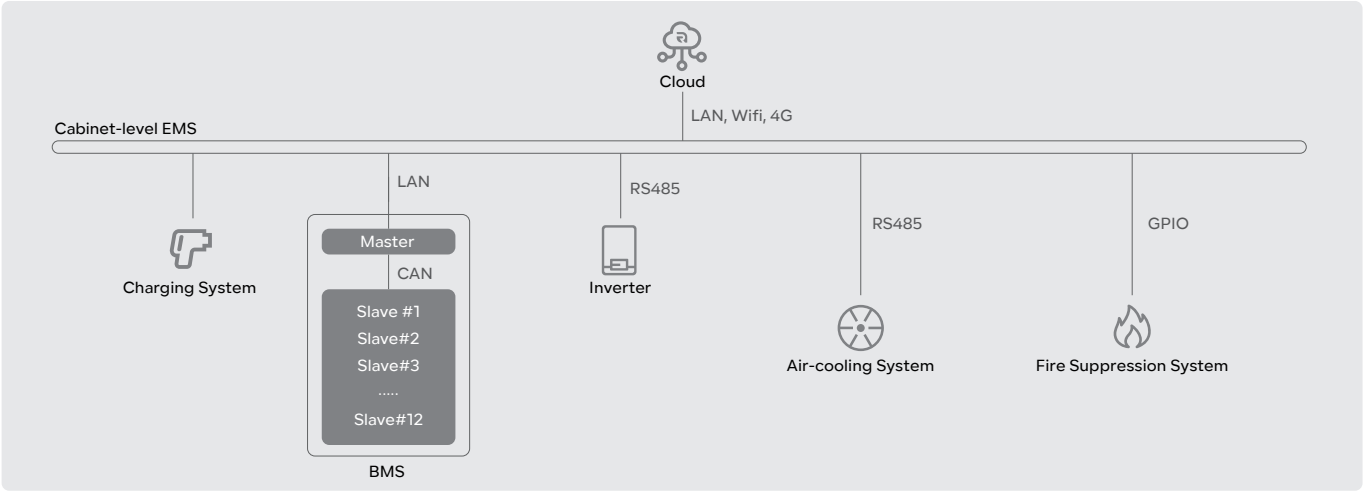
Sol-ark 30k-3P-208V-N

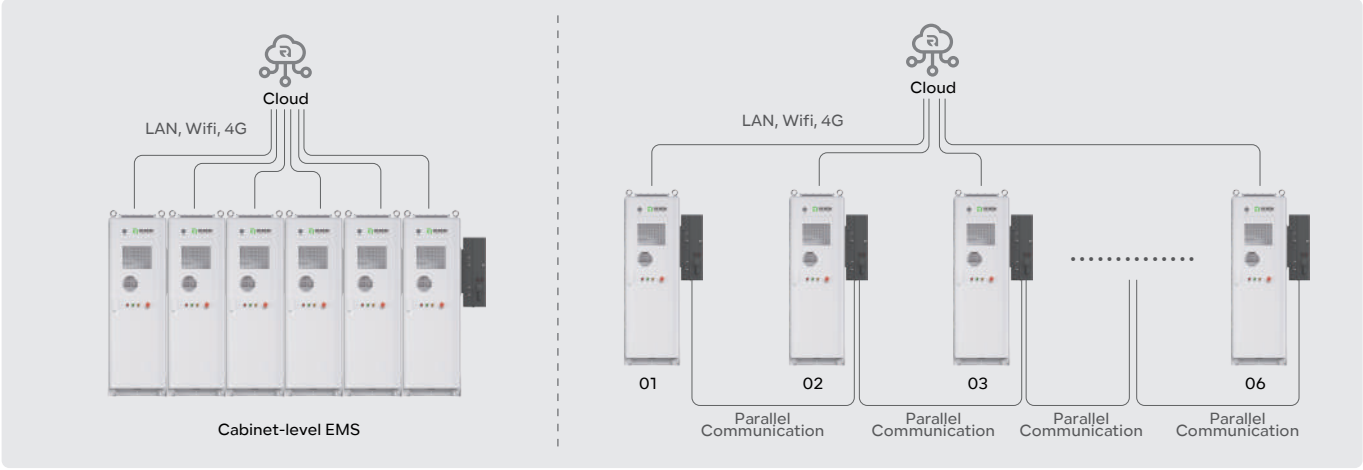
Single / Max. Parallel System Layout





Energy Management System(EMS) Structure





Product Parameter(For 480V Application)

Battery Energy Storage	
Cell Chemistry	LiFePO4
Module Energy (kWh)	5.12
Module Nominal Voltage (V)	51.2
Module Capacity (Ah)	100
Battery Module Combination	12S1P
System Nominal Voltage (V)	614.4
System Operating Voltage (V)	562.5~681.6
System Energy (kWh)	61.44
Charge/Discharge Current (A)	95

PV Input	
Max. Allowed PV Power (STC)(kW)	78
MPPT Voltage Range(V)	150~850
Start up Voltage(V)	180
Max. Input Voltage(V)	1000
Max. Operating Input Current per MPPT(A)	36
Max. Short Circuit Current per MPPT(A)	55
No. of MPP Trackers	4
No. of PV Strings per MPPT	2
Max. AC Coupled Input(kW)	60

Charging System(Optional)	
Charging Type	Charging Mode 3 Case c, level 2
Outlet Options	AC Type 1 (SAEJ1772)
Input/Output Current Rating(A)	32 / 48 / 80
Input/Output Power Rating(kW)	7.7 / 11.5 / 19.2@240VAC
Input/Ouput Voltage(VAC)	208~240
Input Frequency(Hz)	50/60
Cable Length	16 feet, Optional: 25 feet
Distribution Systems	Single phase, split-phase
Connector Type	L1 + L2 + PE
Certifications	UL2594, UL2231-1, UL2231-2, UL1998 UL991FCC Part 15 ClasS B, ENERGY STAR

AC Output (EPS)	
Nominal AC Voltage(3Φ)(V)	277/480
Grid Frequency(Hz)	50/60
Real Power, max continuous(3Φ)(kW)	60
Max. Output Current(A)	72.3
Peak Apparent Power (10s, off-grid, 3Φ)(kVA)	90
Max. Grid Passthrough Current (10min)(A)	200
Continuous Grid Passthrough Current(A)	180
Power Factor Output Range	±0.8 adjustable
Backup Transfer Time	5ms (adjustable)
CEC Efficiency	96.5%
Design (DC to AC)	Transformerless DC

General Parameters	
Product Model	R-EC060060A1-US
System Scalability	Max. 6 System in Parallel
Dimension - W*D*H (mm/in)	750*950*2280/29.5*37.4*89.7
Weight Approximate (kg/lb)	~1050/~2314.8
Working Temperature (°C/°F)	-30~50/-22~122
Communication Interface	CAN, RS485, Wi-Fi, LTE
Humidity(RH)	5%~85%, non-condensation
Altitude	≤4000m/13122ft(2000m/6561ft derating)
IP Rating	IP55
Storage Temperature (°C/°F)	-20~35/-4~95
Recommend Depth of Discharge	90%
Cycle Life	>8000 cycles
Warranty	10 years
Certification(Battery)	ANSI/CAN/UL 1973:2022 ANSI/CAN/UL 9540:2020 UL 9540A, FCC Part 15 Subpart B:2023
Certification(Inverter)	UL 1741-2021 (UL1741SB) CSA C22.2 No 107.1-16, IEEE 1547-2018 & 1547a-2020 & 1547.1-2020 (SRD V2.0) UL 1741 CRD-PCS, UL1699B, CEC, SGIP 4

Product Parameter(For 208V Application)

Battery Energy Storage	
Cell Chemistry	LiFePO4
Module Energy (kWh)	5.12
Module Nominal Voltage (V)	51.2
Module Capacity (Ah)	100
Battery Module Combination	6S2P
System Nominal Voltage (V)	307.2
System Operating Voltage (V)	281.3~340.8
System Energy (kWh)	61.44
Charge/Discharge Current (A)	95

PV Input	
Max. Allowed PV Power (STC)(kW)	39
MPPT Voltage Range (V)	150~500
Startup Voltage (V)	180
Max. Input Voltage (V)	550
Max. Operating Input Current per MPPT (A)	36
Max. Short Circuit Current per MPPT (A)	55
No. of MPP Trackers	4
No. of PV Strings per MPPT	2
Max. AC Coupled Input (kW)	30

Charging System(Optional)	
Charging Type	Charging Mode 3 Case c, level 2
Outlet options	AC Type 1 (SAEJ1772)
Input/Output Current Rating (A)	32 / 48 / 80
Input/Output Power Rating (kW)	7.7 / 11.5 / 19.2@240VAC
Input/ouput voltage (VAC)	208~240
Input Frequency (Hz)	50/60
Cable Length	16 feet, Optional: 25 feet
Distribution Systems	Single phase, split-phase
Connector Type	L1 + L2 + PE
Certifications	UL2594, UL2231-1, UL2231-2, UL1998 UL991FCC Part 15 ClasS B, ENERGY STAR

AC Output (EPS)	
Nominal AC Voltage (3Φ)(V)	120/208
Grid Frequency (Hz)	50 / 60
Real Power, max continuous (3Φ)(kW)	30
Max. Output Current (A)	83.4
Peak Apparent Power (10s, off-grid, 3Φ)(kVA)	45
Max. Grid Passthrough Current (10min)(A)	200
Continuous Grid Passthrough Current (A)	180
Power Factor Output Range	±0.8 adjustable
Backup Transfer Time	5ms (adjustable)
CEC Efficiency	96.5%
Design (DC to AC)	Transformerless DC

General Parameters	
Product Model	R-EC060030A1-US
System Scalability	Up to 6 in parallel
Dimension - W*D*H (mm/in)	750*950*2280/29.5*37.4*89.7
Weight Approximate (kg/lb)	1050/2314.8
Working Temperature (°C/°F)	-30~50/-22~122
Communication Interface	CAN, RS485, Wi-Fi, LTE
Humidity	5%~85%, non-condensation
Altitude	≤4000m/13122ft(2000m/6561ft derating)
IP Rating	IP55
Storage Temperature	-20~35/-4~95
Recommend Depth of Discharge	90%
Cycle Life	>8000 cycles
Warranty	10 years
Certification(Battery)	ANSI/CAN/UL 1973:2022 ANSI/CAN/UL 9540:2020 UL 9540A, FCC Part 15 Subpart B:2023
Certification(Inverter)	UL 1741-2021 (UL1741SB) CSA C22.2 No 107.1-16, IEEE 1547-2018 & 1547a-2020 & 1547.1-2020 (SRD V2.0) UL 1741 CRD-PCS, UL1699B, CEC, SGIP 4

MPack 233A

233kWh Liquid-Cooling Battery

MPack 233A is a high-performance energy storage solution for commercial and industrial use, featuring optimized thermal management, efficient energy cycling, advanced fire and gas detection, and intelligent power management for reliable and scalable energy integration.

Product Function

Advanced Energy Storage

Stores 233 kWh of electricity for future use, ensuring a reliable energy reserve. It supports integration with multiple power sources, including solar energy, diesel generators, and the grid, offering versatility in energy input.

Smart Load Management

Balances grid demand by charging during off-peak hours and discharging during peak hours, optimizing energy distribution. By leveraging time-of-use pricing, it helps reduce electricity costs and enhance overall energy efficiency.

Intelligent Energy Management

Optimizes charging and discharging efficiency through an advanced Energy Management System (EMS). With remote monitoring and real-time control capabilities, it enhances operational oversight and improves energy utilization.

Reliable Backup Power

Provides a dependable backup power supply during grid failures, keeping critical equipment operational. With seamless, uninterrupted power delivery, it is ideal for mission-critical applications such as data centers and hospitals.

Independent Off-Grid Power

Delivers a stable power supply to homes, businesses, or communities in off-grid areas, enabling independent operation. As a key component of microgrid systems, it ensures efficient and reliable energy distribution.

Scalable & Flexible Design

Features a modular design that supports parallel system integration for seamless capacity expansion. Its customizable configuration allows adjustments in power output and storage capacity to meet specific energy demands.

Product Features

High Energy Density

Designed with high-energy-density 1P52S 280Ah batteries, this system offers a compact size, making it ideal for space-constrained environments. Its optimized structure reduces weight, enhancing ease of installation and transportation.

Long Lifespan

Designed for longevity, it supports over 8000 charge-discharge cycles with minimal degradation, ensuring stable long-term performance.

High-Efficiency Conversion

With superior charge and discharge efficiency and a charge/discharge current of 150A, it minimizes energy loss while delivering millisecond-level response times to meet urgent power demands.

Safe & Reliable

Equipped with multiple protection mechanisms, including safeguards against overcharging, over-discharging, overheating, and short circuits. With an IP54 protection rating, fire-resistant materials, and a flame-retardant design, it further enhances operational safety.

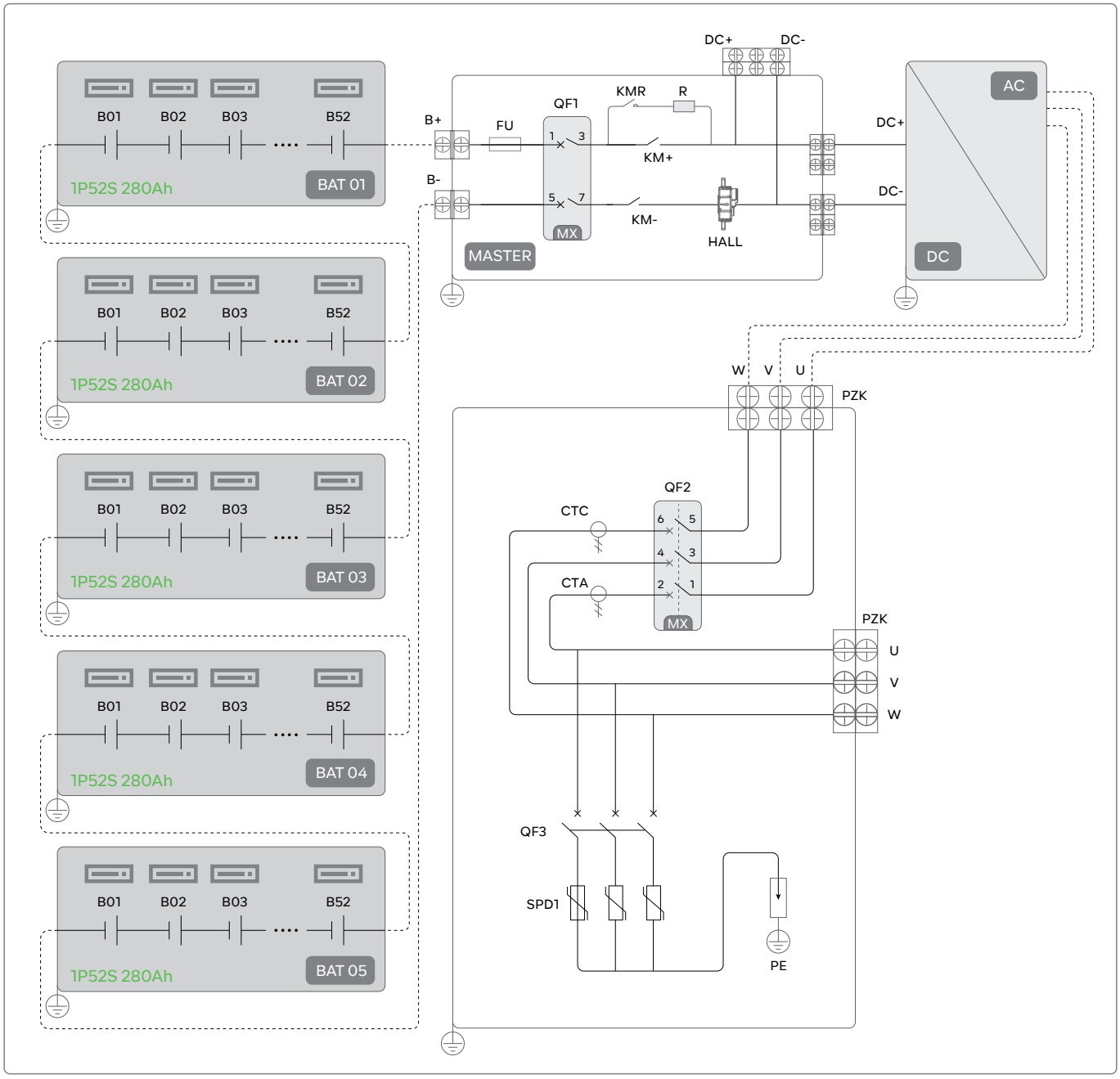
Application Scenario

LOWERCASE

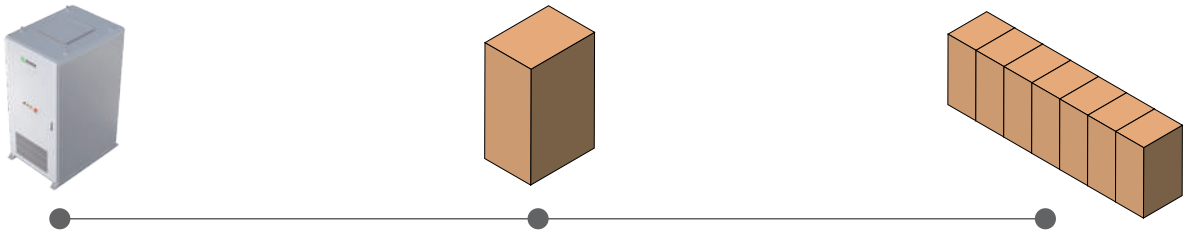
DATA CENTERS

LOWERCASE

Product Topology



Packaging & Shipping Details

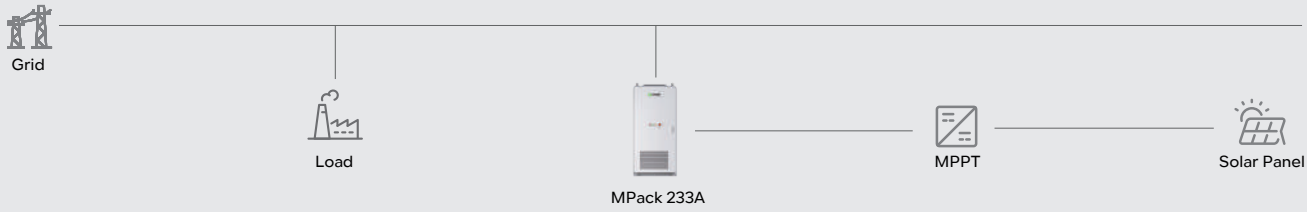


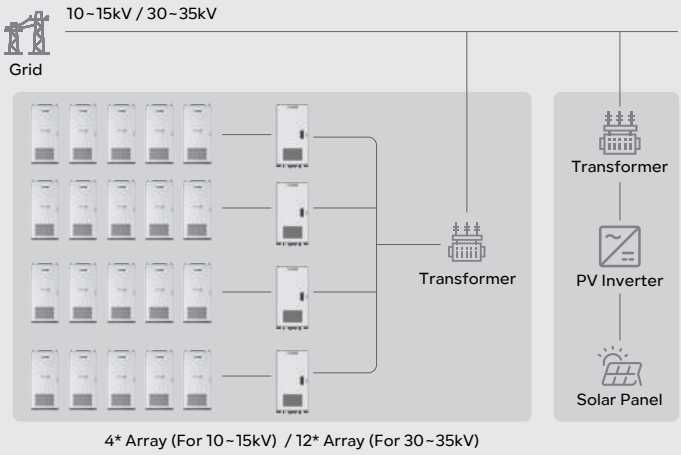
Product
~43*57.3*93.4in
~5952.5lb

1Set
49.21*71*99.2in
~7055lb

40C
7 Set
~49383.5lb

Single / Max. Parallel System Layout

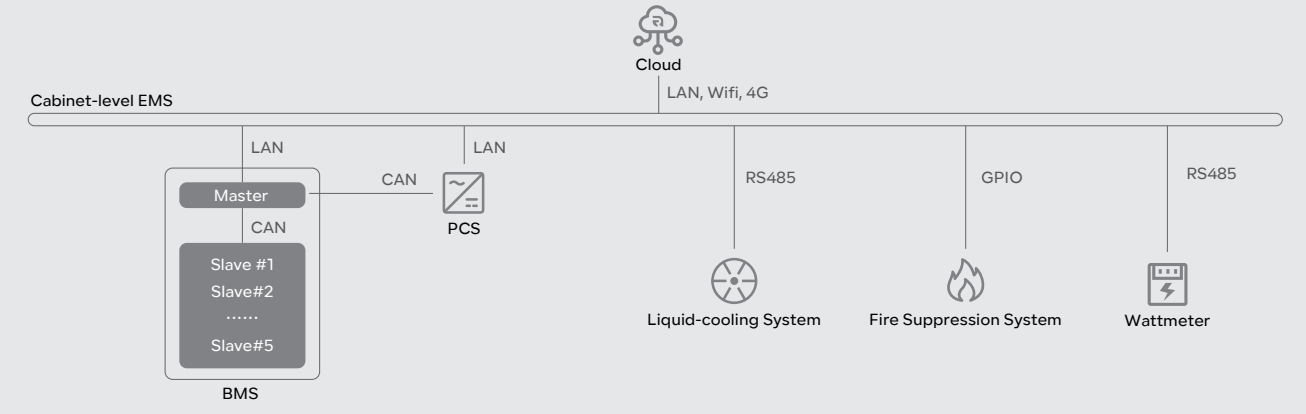


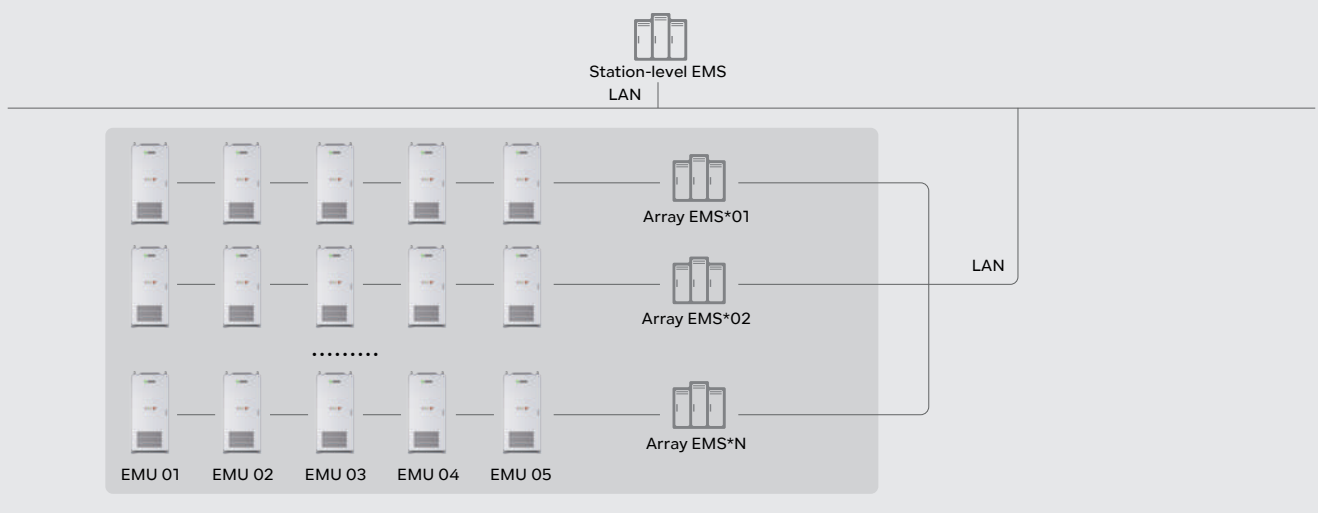


Grid Voltage	10~15kV
Number of ESS	80(4*20)
Number of Array	4
Total Capacity(MWh)	18.64(4*20*233kWh)

Grid Voltage	30~35kV
Number of ESS	240(12*20)
Number of Array	12
Total Capacity(MWh)	55.92(12*20*233kWh)

Energy Management System(EMS) Structure





Product Parameter

Battery Energy Storage	
Cell Type	LFP 3.2V / 280Ah
Module Combination	1P52S
System Combination (Modules)	5 in series
Capacity (kWh)	233
Nominal Voltage (V)	832
Voltage Range (Vdc)	702~936
Discharge Depth	90% DoD
Thermal Management Mode	liquid cooling
Thermal Control Management	Aerosol Extinguishing

AC Output	
Rated AC Output Power (kW)	125
Max. AC Output Power (kVA)	137.5
Rated Output Voltage (Vac)	480
Output Voltage Range (Vac)	-15%~10%(settable)
Rated Grid Frequency (Hz)	60(settable)
Max. Output Current (A)	165.4
Adjustable Power Factor	＞0.99
THDi	＜3%

DC Input/Output	
Max. Power (kW)	250
Voltage Range (V)	761~923
Max. Current (A)	320

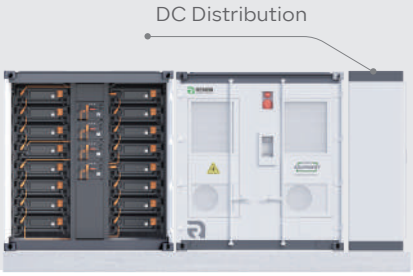
* The charging power of the DC interface is related to the load power, battery SOC and temperature.The discharge power of the DC interface is related to the battery's state of charge

System Characteristic	
Communication Interface	CAN, RS485, Wi-Fi, LTE
Warranty	5 years
Certifications	ANSI/CAN/UL 1973:2022, ANSI/CAN/UL 9540:2020, UL 9540A:2019, UL 1741:2012 Ed.3+R:19May2023 UL 1741:2021 Ed.3(Supplement SB), CSA C22.2#107.1:2016 Ed.4+U1, IEEE 1547:2018,IEEE 1547.1:2020

General Parameters	
Battery Model	R-MP233125A0-US
Dimensions - W*D*H (mm/in)	1100*1455*2303(±10%)/43*57.3*93.4(±10%)
Total Weight (kg/lb)	2700(±10%)/5952.5(±10%)
Operation Altitude	≤4000m/13122ft(2000m/6561ft derating)
Noise Level @1m	<75 dB(A)
IP Rating	IP54
Operating Temperature(℃/℉)	–20~55/-4~131
Operating Humidity (RH)	0 to 95%, non-condensation
Storage Conditions	–20~30℃/–4~86℉, Up to 95% RH, non-condensation, State of Energy (SoE): 50% initial

Smart Matrix B

10ft Battery & Boost Converter
One Stop Solution



Product Function

BMS Battery Management System
The BMS ensures safe and efficient operation of the battery by monitoring key parameters such as voltage, temperature, and charge/discharge status. It helps to extend battery life, improve performance, and prevent issues like overcharging or overheating.

EMS Energy Management System
The EMS optimizes energy flow within the system, dynamically adjusting charging and discharging strategies based on demand and grid conditions. It enhances efficiency, reduces energy costs, and integrates with grid systems for stable power management.

UPS Uninterruptible Power Supply
The UPS function ensures continuous power during grid failures or disruptions, maintaining stable operation of critical equipment like data centers or communication stations, thus enhancing system reliability.

Compatible with Mainstream PCS
The 1500V DC battery system offers high energy density, low losses, and cost-efficiency. It is compatible with most PCS on the market, making it adaptable to various renewable energy and grid applications.

Multi-Unit Parallel Operation
Smart Matrix D supports multi-unit parallel operation, enabling scalable capacity expansion. This feature ensures flexibility and reliability, making it suitable for both small and large-scale projects.

Fire Protection
Equipped with advanced fire protection features, including temperature control and fire detection systems, Smart Matrix D ensures safety by automatically activating emergency measures in case of abnormal conditions, minimizing fire risks.

Product Features

High Integration
The liquid cooling system battery box offers the highest capacity with the latest dimensions, requiring minimal space while providing flexible transportation and installation options.

Efficient and Flexible
Featuring a modular structure and an efficient liquid cooling system, it is designed to perform well in extreme environments, maximizing battery lifespan and performance.

Safety and Reliability
Equipped with comprehensive battery monitoring, multi-layer fire prevention, top ventilation design, and active AI management to ensure maximum safety and reliability.

Smart Operation and Maintenance
Comes with a complete EMS that is easy to upgrade, featuring big data management checks, proactive handling, and intelligent SOC calibration to ensure optimal performance with zero downtime.

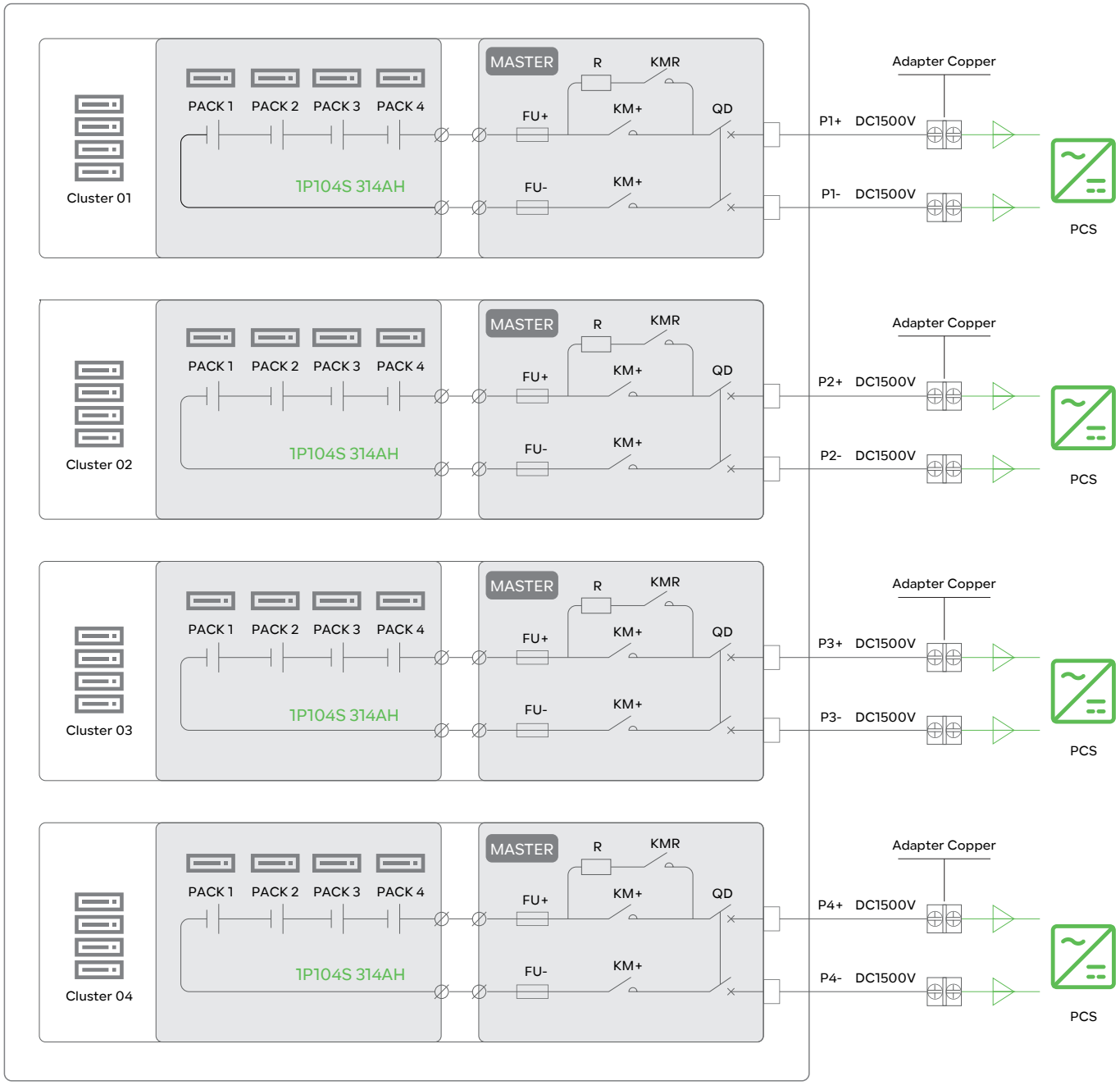
Application Scenario


REMOTE AREA OFF-GRID


ELECTRICITY GENERATING STATION


COMMUNITY

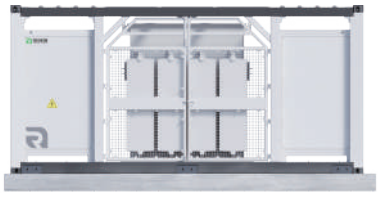
Product Topology



Packaging & Shipping Details

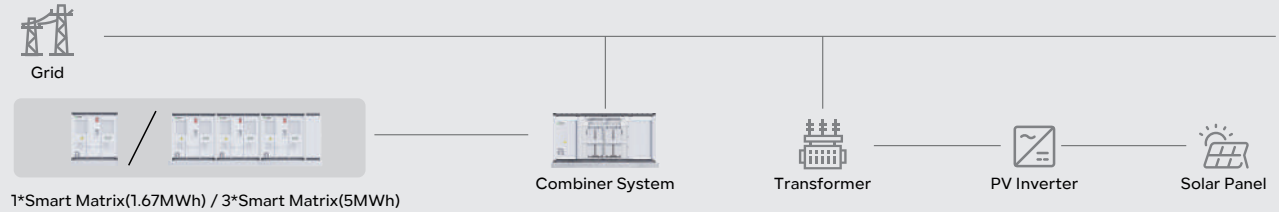
1*Battery System
2991*2438*2591mm
~15000kg

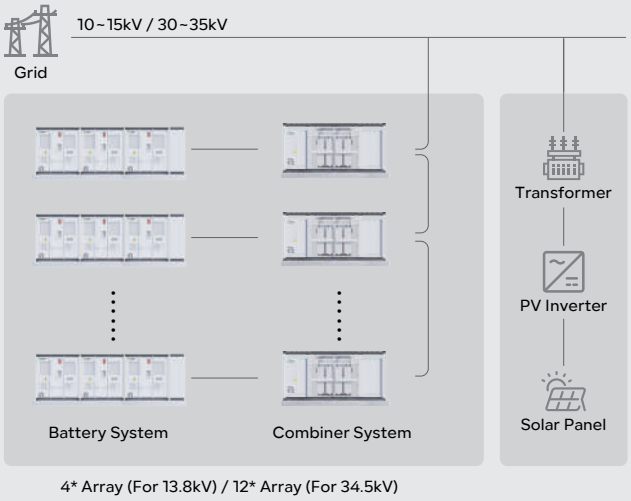
2*Battery System
6058*2438*2591mm
~30000kg



Combiner System
6058*2438*2896mm
~25000kg

Single System Layout & Energy Management System(EMS) Stracture





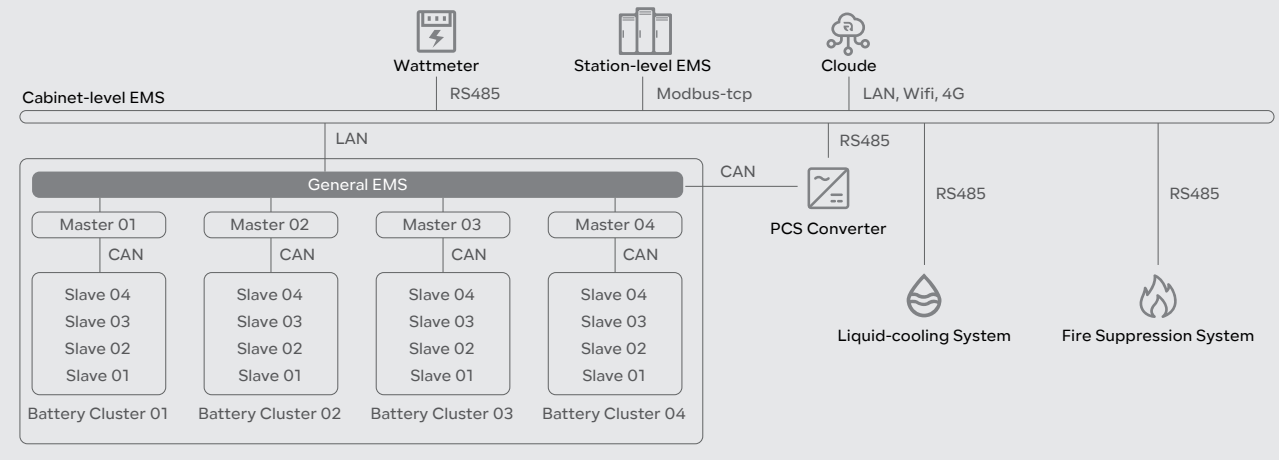
Grid Voltage	10~15kV
Number of ESS	12(3*4)
Number of Array	4
Total Capacity(MWh)	20(3*4*1.67MWh)

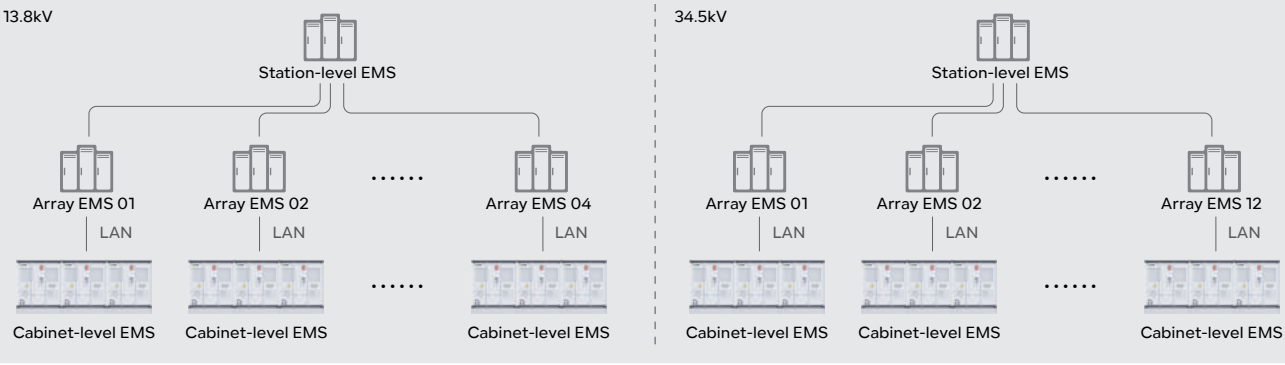
*Each outlet interval on a 10~15kV busbar supports up to 10 MW/20 MWh, with 4-5 intervals per section for scalable capacity.

Grid Voltage	30~35kV
Number of ESS	36(3*12)
Number of Array	12
Total Capacity(MWh)	60(3*12*1.67MWh)

*Each outlet interval on a 30~35kV busbar supports up to 30 MW/60 MWh, with up to 4 intervals per section for scalable capacity.

Energy Management System(EMS) Structure





Product Parameter

Battery Energy Storage	1672kWh	3344kWh	5016kWh
Cell Type		LFP 3.2V/314AH	
Module Configuration		1P104S	
String Configuration		1P416S	
Number of Battery System	1	2	3
Number of Strings	4	8	12
Capacity (kWh)	1672	3344	5016
Nominal Voltage(V)		1331.2	
Operation Voltage Range(Vdc)		1218.88~1476.8	
Discharge Depth		90% DoD	
Thermal Management Mode		Liquid-cooling	
Thermal Control Management		Aerosol Extinguishing or PFH	

AC Output			
Rated AC Output Power(kVA)	840	1670	2500
Max. AC Output Power(kVA)	860	1725	2580
Output Voltage Range(Vac)		11kV~33kV	
Rated Grid Frequency(Hz)		50 / 60	
AC PF		0.99 / -1~1	
THDi		≤3%	

System Characteristic			
Communication Interface		CAN, RS485, Ethernet	
Warranty		3 years free, paid from the 4th to the 15th year	
Certifications		IEC62619, IEC62477, EN61000-6-2/4, UL9540A, UL9540, UN3536	

General Parameters			
Product Model	R-SM1672LCB01	R-SM3344LCB01	R-SM5016LCB01
Battery System Dimensions(W*D*H)	2991*2438*2591mm 117.8*96*102in	2991*4952*2591mm 117.8*195*114in	2991*7466*2591mm 117.8*294*102in
Battery System Total Weight	~15000kg / 33069lb	~30000kg / 66139lb	~45000kg / 99208lb
Combiner System Dimensions(W*D*H)		6058*2438*2896mm 238.5*96*114in	
Combiner System Total Weight		~25000kg / ~55116lb	
Operation Altitude		3000m / 10000feet(>3000m/10000feet derating)	
Nosie Level@1m		<75dB	
IP Rating		IP54	
Operation Temperature		-20°C to 55°C (De-rating over 45°C)	
Operation Humidity(Rh)		≤95%, No condensation	
Storage Conditons		-20°C to 30°C, Up to 95% RH, non-condensing, State of Energy (SoE): 50% initial	

ProControl Base

Cabinet Level Local ESMU

High-end integrated display and control system for commercial and industrial energy storage solutions.

Features

High-Performance Data Processing MCU

Equipped with a powerful processor and ample memory, ensuring fast response to demand-side instructions and efficient data processing.

Independent Smart Local Control

Built-in modes such as self-use, peak shaving, PV priority, grid priority, backup, and battery modes provide convenient local operation. Supports local intelligent monitoring, data curve generation, parameter settings, firmware updates, maintenance report generation, and log recording for simplified after-sales service.

Advanced Graphics and AI Capabilities

Featuring advanced graphics processing and AI capabilities, offering robust performance for enhanced device intelligence.

Flexible Cloud Connectivity

Supports multiple interfaces including LAN, WiFi, and LTE for versatile cloud platform connections based on customer needs.

High-Brightness Full-View Touch Display

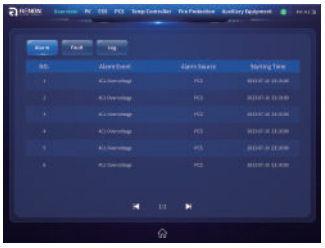
1280*800 resolution, 45cd/m² brightness, full viewing angle, and three-point capacitive touch screen, allowing easy viewing of system data and settings both indoors and outdoors.

Comprehensive Communication & Control Interfaces

Includes CAN, RS485, RS232, Type-C, USB3.0, LAN, TF card slot, Nano SIM, HDMI, and RTC interfaces, enabling connection to various external devices and sensors for centralized management and control.

Interface Showcase






Parameters

General Parameters	
CPU	RK3568 4xA53@2.0GHz
Memory	RAM: 4GB, EMMC: 64GB, EEPROM:64KB, SSD: 1T(Optional)
GPU	Mail-G52
NPU	Support 1 Tops computing power
OS	Ubuntu 20.04
Brightness	450cd/m²
Resolution	1280*800
Angle	Full viewing Angle
Touch	3 point capacitive screen
Communication interface	3* CAN, 6* RS485, 1*RS232, 1*Type-C, 1* USB3.0, 4* 1000Mbps, Lan, 1* TF card, 1* Nano SIM card, 1* HDMI, 1* RTC
Control interface	12* DO, 16* DI, 2* NTC, 1* Buzzer
Wireless communication	Wifi/BT, 4G, GPS
IP Rating	IP65
Operating temperature	-20°C~70°C

ProControl Prime

Station Level Local EMS

Reliable control and display solution for large distributed energy storage systems.

Features

Information Summarization and Monitoring

EMS collects and uploads operational data of distributed energy storage systems for centralized monitoring. It displays system trends, performance metrics, and fault history to help users optimize operations.

Energy Metering and Anti-Reverse Flow Control

EMS handles energy metering and anti-reverse flow control, effectively managing energy flow within the storage system and ensuring stable PCS operation.

Strategy Algorithm Configuration

EMS offers flexible strategy algorithms for customizing energy storage system operations based on specific needs and system conditions. This allows for optimal energy dispatch and management to maximize efficiency and cost-effectiveness.

BMS Data Collection and Display

EMS communicates with Battery Management Systems (BMS) to collect real-time data on battery parameters and displays it graphically. This includes battery health, charge/discharge status, SOC, and SOH.

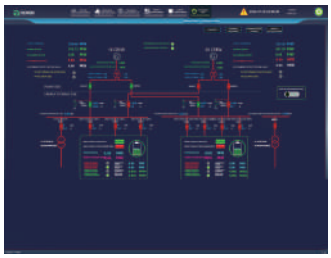
Alarm Generation and Handling

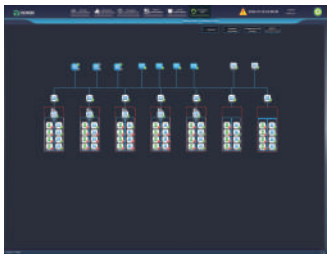
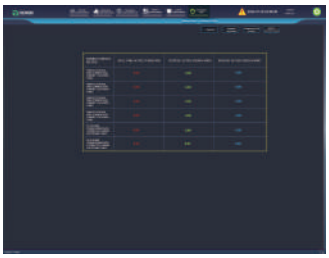
EMS provides a user-friendly tool for creating graphical interfaces of energy storage systems. It allows real-time monitoring and management through topology, status diagrams, and device controls.

Profit Analysis

EMS includes robust profit analysis capabilities for in-depth assessment of energy storage system operational data. This analysis helps users evaluate economic benefits, providing strong support for decision-making.

Interface Showcase



Parameters

General Parameters	
CPU	2U Rack Server
Memory	Intel® Xeon® Gold 5218 Processor 22M Cache, 2.30 GHz, Qty 2
Hard disk capacity	64G
NIC	3*1.2T SAS
PCIE	4 Gigabit LAN cards6 PCLe 3.0
Power Supply	slots 550W power supply*2
Chassis Size	Chassis Specifications: 445*87*746mm
IP Rating	IP20
Operating Temperature	5.0°C~40.0°C (41.0°F~104.0°F)
Operating Humidity	85% RH

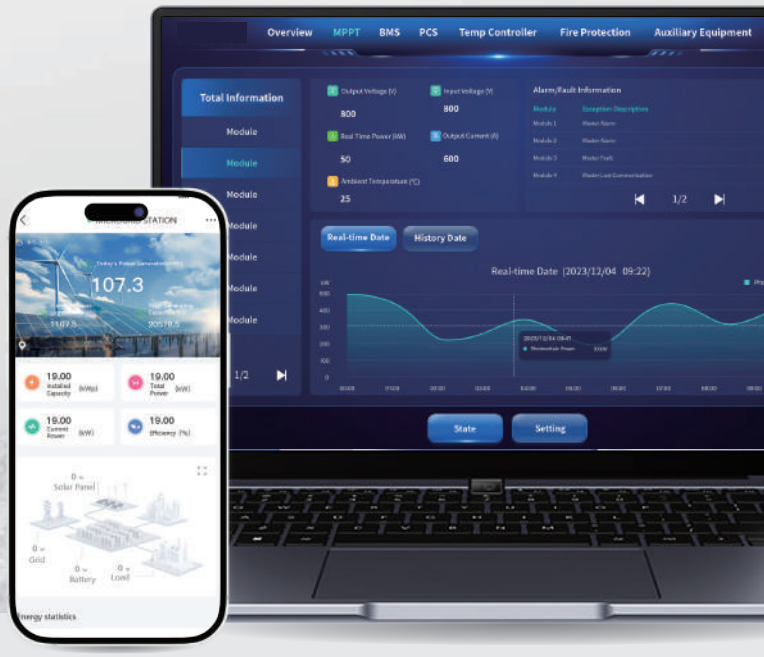
Renon Smart

Cloud Energy Management System

We're Using Smart Power to Simplify Your Life.

Renon Smart is a comprehensive device management and monitoring solution for national agents, secondary agents, installers and users.

Comprehensive system for managing large-scalepower station and commercial and industrial energy storage systems



Features

Instant Clarity with Remote Data Monitoring and Analysis

Remote data monitoring, automatic curve generation, and big data analysis management make the product operation status clear at a glance.

Enhanced Security with Distributed Architecture and Data Encryption

Distributed architecture deployment and data security encryption ensure that cloud data is more secure and reliable.

Seamless Connections with Intelligent Mall and Trial Applications

Intelligent mall application and new product trial application enable users to contact source manufacturers directly, making product promotion faster and more accurate.

Boost Customer Satisfaction with Remote Firmware Upgrades

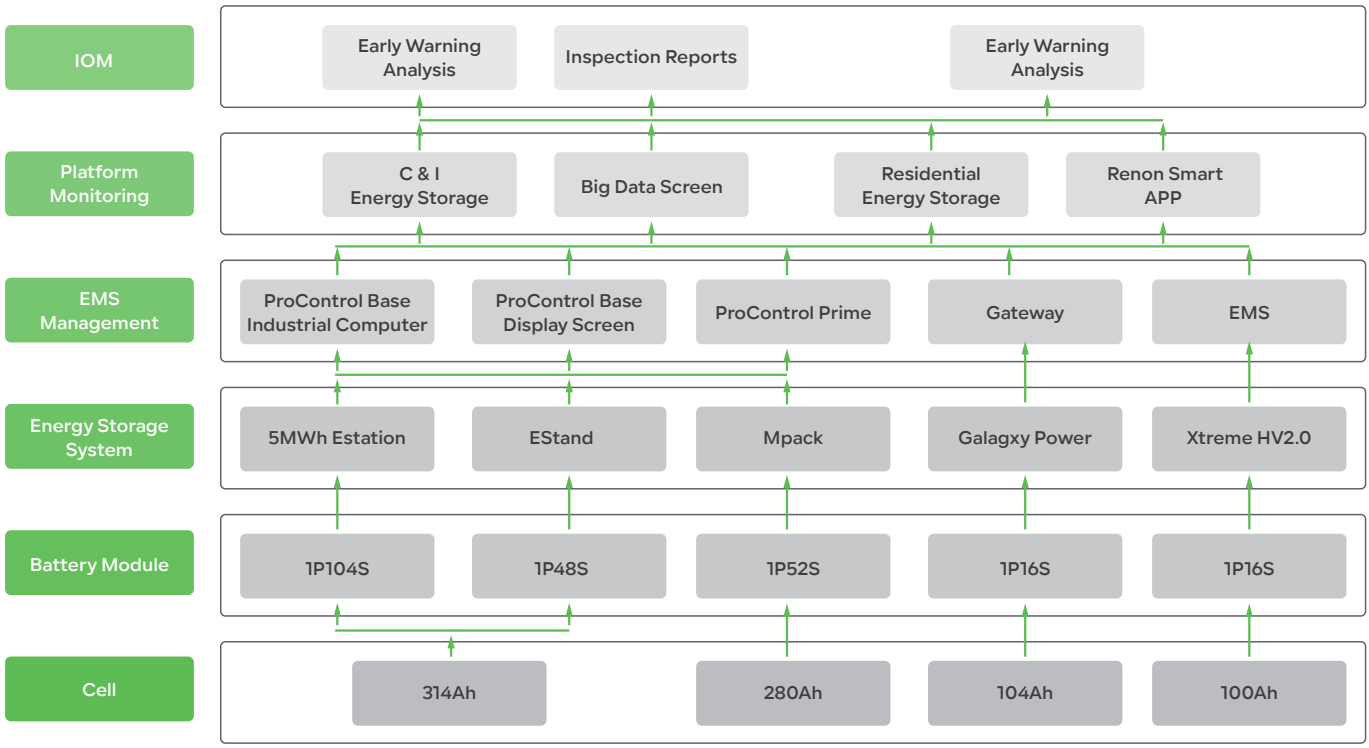
Remote firmware upgrading and intelligent operation and maintenance report generation effectively improve customer satisfaction.

Optimized Channel Construction with a Six-Level Distribution System

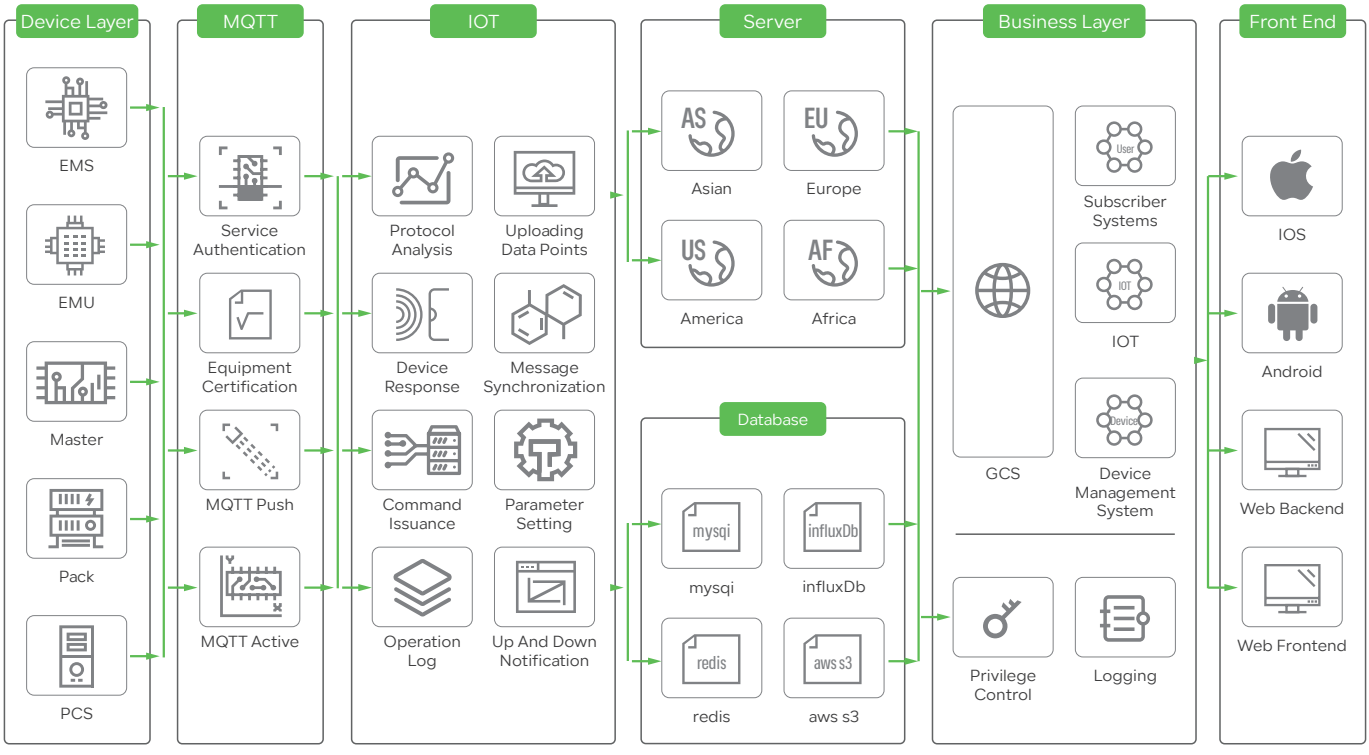
The six-level distribution system, from the brand owner to end-users, is more conducive to robust product channel construction.

Interface Showcase

Physical Link



Platform Architecture



Installation Cases

Renon Power's global installations of microgrid systems enhance energy efficiency and sustainability,providing reliable power solutions for diverse commercial and industrial applications.

Renon EStation 430A Tokyo, Japan

Renon DC ECube 157kWh*2 Kitsuki City, Japan

Renon DC ECube 38kWh Chiba Prefecture, Japan

Renon DC ECube 157kWh Fukushima, Japan

Renon DC ECube 157kWh Kagoshima, Japan

Renon DC ECube 15kWh*4 Saitama, Japan

Renon DC ECube 215kWh*5 Utsunomiya, Japan

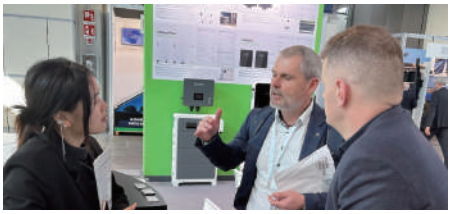
Renon DC Ecube 38kWh*4 Gunma prefecture, Japan

Renon Exhibition

At Renon Power, our team is our greatest asset.
We are a diverse group of passionate professionals, united by a shared mission to make green power within reach.

RIMINI Expo — Italy

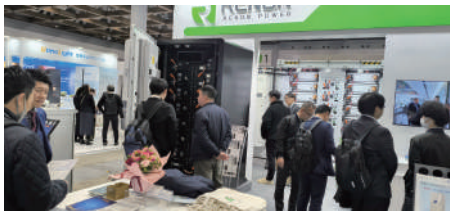




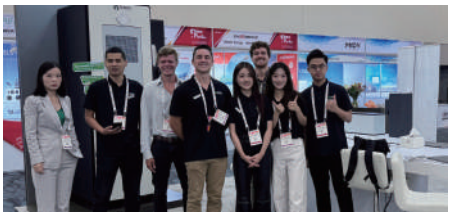
Intersolar 2025 San Diego — The United States



PV EXPO 2025 Tokyo — Japan




RE+ 2024 — The United States

The Smarter E 2024 — Germany

Note Book

PROVIDE INNOVATIVE, RELIABLE, AND AFFORDABLE ENERGY STORAGE SOLUTIONS TO CUSTOMERS WORLDWIDE.

Note Book

PROVIDE INNOVATIVE, RELIABLE, AND AFFORDABLE ENERGY STORAGE SOLUTIONS TO CUSTOMERS WORLDWIDE.

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