RENON

Integrated Energy Storage Solutions Platform

For Residential, C&I and Solar-Storage-Charging Applications

EXPLORE SOLUTIONS >

VIEW PRODUCTS



Global Layout
Serving North America and beyond

Platform Capability
Scalable, reliable, and future-ready

Product Portfolio
Comprehensive solutions for every need

Customer Growth
Partnering for long-term success

Commercialization
Accelerating clean energy adoption

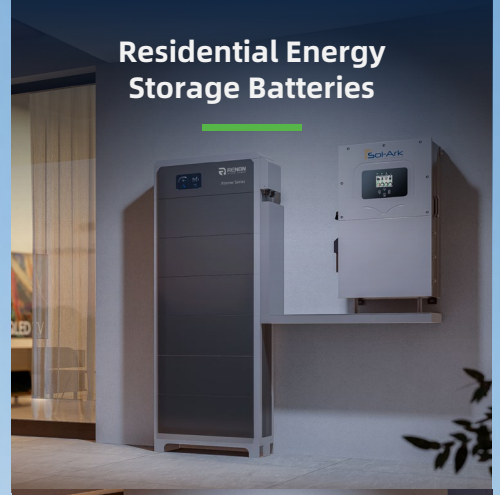
Execution Excellence
Delivering quality with integrity

RENON

Executive Summary

Renon is a platform-driven company focused on residential energy storage, commercial and industrial energy storage, and solar-storage-charging systems. With its global footprint, platform-based organization, product portfolio capabilities, customer enablement capabilities, and commercialization capabilities, Renon provides integrated energy solutions for customers, partners, and investors.

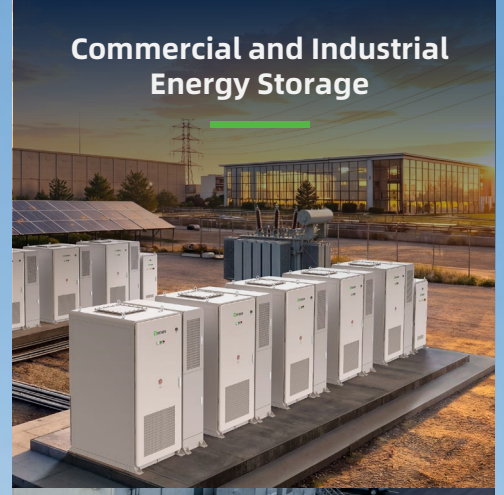
Residential Energy Storage Batteries





including wall-mounted, rack-mounted, and stackable products

Commercial and Industrial Energy Storage





including the MPack 261 Series and Smart Matrix Series

Solar-Storage-Charging Systems



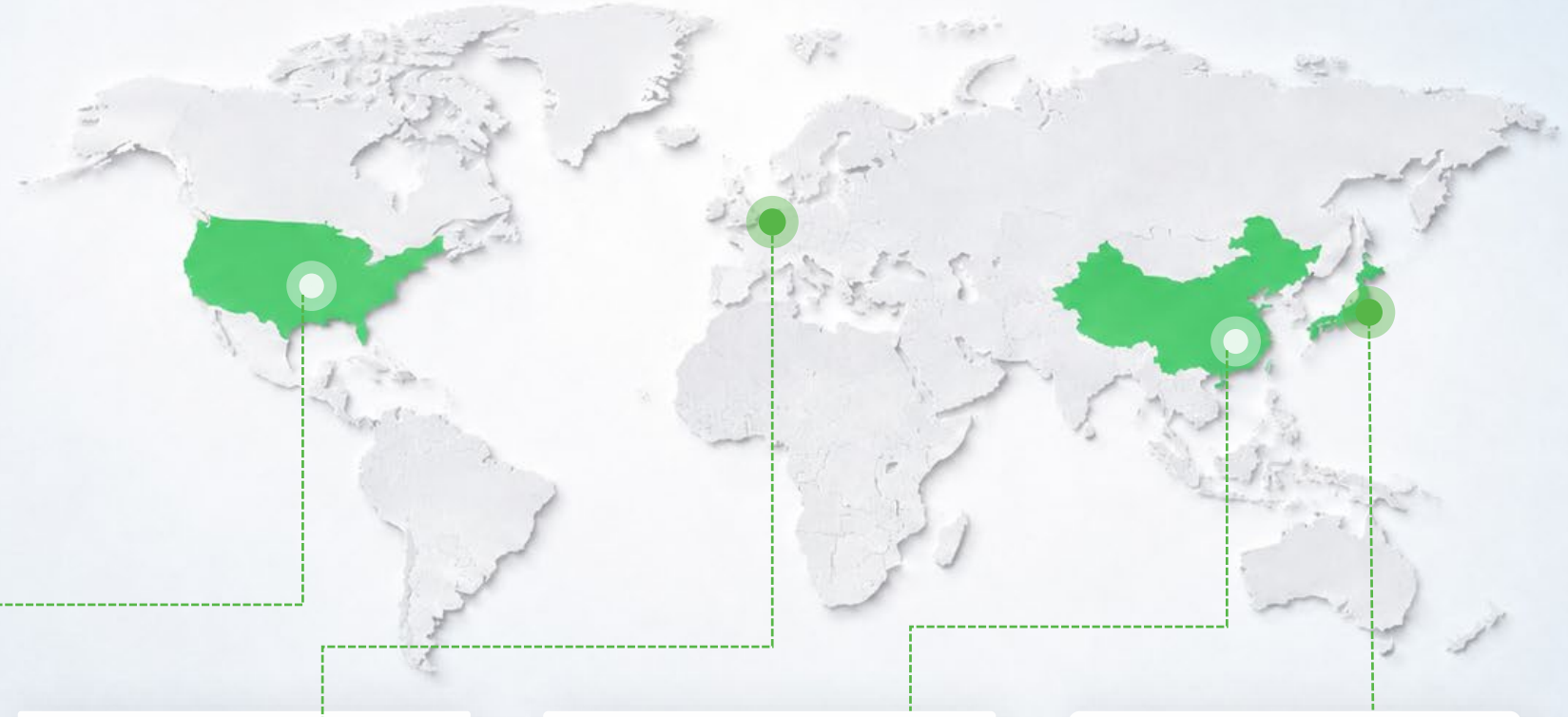


including the EStand Series and XGen Series

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Global Footprint

Renon has established a global operating and manufacturing footprint across Japan, Europe, North America, China.



Renon Power USA LLC

580 McIntyre Rd. McKinney, TX 75071
+1 (833)736-6687

Renon Power Technology B.V.

Rietbaan 10, 2908 LP Capelle aan den IJssel
+31 152-402-905

Renon Power China Manufacturing Center

Kangyi Industrial Park, Xiaqiaobei, Sanhe Subdistrict, Huiyang District, Huizhou, Guangdong
0752-3310760

Renon Power 株式会社

5F, VORT Hakozaki, 20-5 Nihonbashi-Hakozakicho, Chuo-ku, Tokyo, Japan
03-6661-6941

Global Reach | 4 Key Regions | Operations & Manufacturing | Closer to Partners

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CONTENTS

Powering a sustainable future through innovation, execution,and lasting partnerships.



Brand and Company Awareness 01

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Project Realization & Excellence in Execution 07

Partnership Conversion & Next Steps 08

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Part 1

Brand & Company Recognition

- Company Overview
- Global Layout and Regional Operational Capability
- Brand Story
- Corporate Culture and Core Values
- Brand Positioning and Value Proposition



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Company Overview

Renon Power is a global leader in energy storage technology, dedicated to providing innovative energy storage solutions that help customers worldwide with achieving energy independence and sustainable development.

As an innovator in the energy storage sector, Renon Power continuously drives technological innovation to provide efficient and sustainable energy management systems for residential, commercial and industrial clients.



GLOBAL LAYOUT AND REGIONAL OPERATIONAL CAPABILITY

Renon Power has established R&D and manufacturing bases in multiple regions globally, with strong technical support and localized service capabilities. The United States, Europe, and Japan are key regions for the company's strategic development. By focusing on these regions, Renon is able to offer efficient and reliable energy storage solutions to global clients while driving local energy transformation processes.



Install Base



350MWh

Residential Battery Solution

2021



720MWh

One-Stop Energy Solution

2022



1.5GWh

Residential / C&I

2023



3.02GWh

Residential / C&I

2024



4.72GWh

Residential / C&I

2025

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BRAND STORY

Renon Power was founded by U.S. military veterans, initially focusing on battery management system (BMS) technology.

Since its establishment, the company has consistently focused on innovation in energy storage technology, gradually evolving into a global leader in energy storage solutions. Renon Power is committed to promoting the global adoption of renewable energy and providing innovative technologies and solutions for sustainable energy utilization.



Veteran Founded
Built on discipline, service, and a mission to make clean energy accessible to all.

BMS Origins
Deep expertise in battery management system (BMS) technology from the start.

Global Growth
Delivering reliable, scalable energy storage solutions for a sustainable future worldwide.

RENON

Proudly Based in the USA

OUR US LEADERSHIP

Meet Our Team

The Renon U.S. team, founded and led by a U.S. military veteran, is deeply rooted in the local market and dedicated to delivering advanced, reliable energy storage solutions for customers in North America. Our team of industry-savvy professionals combines global technology expertise with localized service, driving the adoption of residential and C&I storage. Guided by our core values — Renewable, Reliable, Remarkable — we work alongside our partners to build a cleaner energy future.



Paul Buckwalter

Founder & VP of Sales

15+ Years Experience in Battery Research and Development



Joe Frodsham

Residential Sales Director



Joshua Brown

Senior Sales Manager



Mario Wilhelm

South America Regional Sales Director



Bryan Wary

Senior Sales Manager



Russell Willems

Customer Empowerment Manager



Jose Illedge

US-LATAM O&M Engineering Director

RENEWABLE
Focused on a sustainable future.

RELIABLE
Superior performance you can trust.

REMARKABLE
Exceeded industry expectations.

RENON

Proudly Serving Europe

OUR EU LEADERSHIP

Meet Our Team

The Renon European team is committed to supporting the region's energy transition with advanced, reliable, and sustainable storage solutions. Leveraging Renon's global expertise and deep local insights, the team works closely with partners to deliver residential and C&I systems tailored to European standards and market needs. Guided by our core values — Renewable, Reliable, Remarkable — we are driving a greener, smarter energy future across Europe.



Jo.Zhao
GM of EU Division



Adriana W
Operation Director



Xu Jian
Product Manager



Norbert Kunnen
Benelux Sales Manager



Volodymyr Shemshur
Ukraine Sales Manager



Valentyna Voronova
Sales Manager



Oleksii Kushka
Sales Manager

RENEWABLE
Powering a sustainable future.

RELIABLE
Built for performance you can trust.

REMARKABLE
Delivering beyond expectations.

RENON

Proudly Serving Japan

OUR JP LEADERSHIP

Meet Our Team

The Renon Japanese team delivers advanced, reliable, and sustainable storage solutions tailored to local needs. Combining global expertise with deep market insight, we support Japan's energy transition across residential and C&I sectors. Guided by our core values — Renewable, Reliable, Remarkable — we're building a smarter energy future for Japan.



Tommy Z.

GM of JP Division



Hatakawa
Operation Director



Lin
Product Manager



Warita
Sales Manager



Nakagaki
Sales Manager



Yang
Sales Manager

RENEWABLE
Powering a sustainable future.

RELIABLE
Built for performance you can trust.

REMARKABLE
Delivering beyond expectations.

RENON



Core Values

Renewable, Reliable, Remarkable



Workmanship

respect, innovation, integrity

CORPORATE CULTURE AND CORE VALUES

The company is dedicated to supporting the personal growth of employees and promoting team collaboration, encouraging creative thinking and problem-solving skills.

We believe that through continuous innovation and teamwork, we can create greater value for society and our clients.

RENON

Brand Positioning and Value Proposition



Brand Positioning

Global Energy Storage Partner

Platform-Based Business Model

Reliable & Sustainable Brand

Value Proposition

Value to Customers

Lower energy costs, improve efficiency, and increase energy independence.

Value to Partners

Support partner growth with reliable products, technical support, and market enablement tools.

Value to Investors

Create scalable projects, stable returns, and long-term asset value.



Part 2

Market Opportunities and Strategic Insights

- Industry Trends and Strategic Opportunities
- Core Customer Pain Points and Needs Insights

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Industry Trends and Strategic Opportunities



Global Energy Transition Trends

Rapid growth of renewable energy.

Enhanced efficiency via smart grids & digital tech.

Strong policy support & carbon neutrality goals.



Distributed Energy and Storage Opportunities

Increased energy autonomy and grid flexibility.

Load balancing and reliable backup power.

Cost reduction and improved grid stability.



Residential Energy Storage Market Opportunities

Surging demand for energy independence.

Significant electricity cost savings.

Supported by green energy policies and subsidies.

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Core Customer Pain Points and Needs Insights

Common Customer Pain Points

High Energy Costs
Customers face rising electricity prices, particularly during peak periods.

Unstable Energy Supply
Power interruptions or fluctuations affect operational efficiency.

High Operational Costs
Many customers are unable to fully optimize their energy usage.

Regulatory Pressure
demands for carbon reduction and environmental compliance.

Residential Customer Insights

EV Charging Demand	Homeowners want to lower electricity bills, especially during peak hours.
Cost Savings	A desire for self-sufficiency and backup power during grid outages.
Green energy support	Increasing demand for solar-powered, sustainable energy solutions.

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Investor Customer Insights



Sustainable returns

Investors seek stable, long-term returns from energy storage and clean energy projects.



Market potential

High demand for renewable energy solutions presents lucrative opportunities.



Risk management

Investors require strong risk mitigation strategies to ensure stable investments.

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Mapping Pain Points to Solutions



High Energy Costs

Efficient energy storage solutions

to reduce peak-time costs



Unstable Supply

Backup power and load balancing

to ensure continuous energy availability



Low Energy Efficiency

Smart energy management platforms

to optimize usage



Regulatory Compliance

Green Energy Solutions

that help meet environmental goals and regulations



Charging Demand has Increased

Integrated Optical Storage and Charging System

providing convenient and efficient EV charging solutions

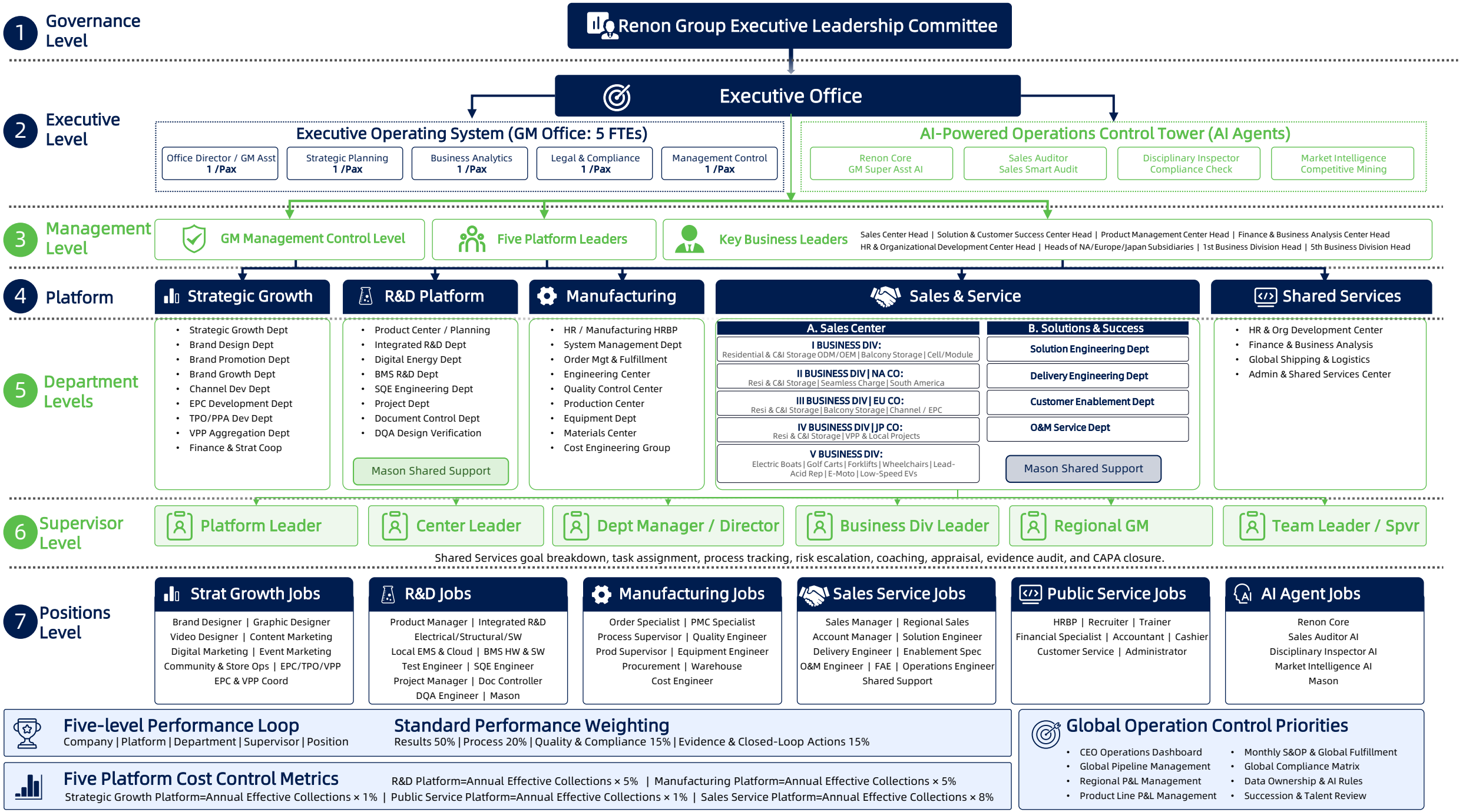
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Part 3

Renon Operating System

- Seven Organizational Platform Synergy System
- Platform-based Service Advantages
- Core Competitive Advantages




1 Governance Level
Renon Group Executive Leadership Committee
2 Executive Level
Executive Office
Executive Operating System (GM Office: 5 FTEs)
Office Director / GM Asst 1 /Pax
Strategic Planning 1 /Pax
Business Analytics 1 /Pax
Legal & Compliance 1 /Pax
Management Control 1 /Pax
AI-Powered Operations Control Tower (AI Agents)
Renon Core GM Super Asst AI
Sales Auditor Sales Smart Audit
Disciplinary Inspector Compliance Check
Market Intelligence Competitive Mining
3 Management Level
GM Management Control Level
Five Platform Leaders
Key Business Leaders
Sales Center Head | Solution & Customer Success Center Head | Product Management Center Head | Finance & Business Analysis Center Head
HR & Organizational Development Center Head | Heads of NA/Europe/Japan Subsidiaries | 1st Business Division Head | 5th Business Division Head
4 Platform
Strategic Growth
R&D Platform
Manufacturing
Sales & Service
Shared Services
5 Department Levels
Strategic Growth Dept
Brand Design Dept
Brand Promotion Dept
Brand Growth Dept
Channel Dev Dept
EPC Development Dept
TPO/PPA Dev Dept
VPP Aggregation Dept
Finance & Strat Coop
Product Center / Planning
Integrated R&D Dept
Digital Energy Dept
BMS R&D Dept
SQE Engineering Dept
Project Dept
Document Control Dept
DQA Design Verification
Mason Shared Support
HR / Manufacturing HRBP
System Management Dept
Order Mgt & Fulfillment
Engineering Center
Quality Control Center
Production Center
Equipment Dept
Materials Center
Cost Engineering Group
A. Sales Center
I BUSINESS DIV: Residential & C&I Storage ODM/OEM | Balcony Storage | Cell/Module
II BUSINESS DIV | NA CO: Resi & C&I Storage | Seamless Charge | South America
III BUSINESS DIV | EU CO: Resi & C&I Storage | Balcony Storage | Channel / EPC
IV BUSINESS DIV | JP CO: Resi & C&I Storage | VPP & Local Projects
V BUSINESS DIV: Electric Boats | Golf Carts | Forklifts | Wheelchairs | Lead-Acid Rep | E-Moto | Low-Speed EVs
B. Solutions & Success
Solution Engineering Dept
Delivery Engineering Dept
Customer Enablement Dept
O&M Service Dept
Mason Shared Support
HR & Org Development Center
Finance & Business Analysis
Global Shipping & Logistics
Admin & Shared Services Center
6 Supervisor Level
Platform Leader
Center Leader
Dept Manager / Director
Business Div Leader
Regional GM
Team Leader / Spvr
Shared Services goal breakdown, task assignment, process tracking, risk escalation, coaching, appraisal, evidence audit, and CAPA closure.
7 Positions Level
Strat Growth Jobs
Brand Designer | Graphic Designer
Video Designer | Content Marketing
Digital Marketing | Event Marketing
Community & Store Ops | EPC/TPO/VPP
EPC & VPP Coord
R&D Jobs
Product Manager | Integrated R&D
Electrical/Structural/SW
Local EMS & Cloud | BMS HW & SW
Test Engineer | SQE Engineer
Project Manager | Doc Controller
DQA Engineer | Mason
Manufacturing Jobs
Order Specialist | PMC Specialist
Process Supervisor | Quality Engineer
Prod Supervisor | Equipment Engineer
Procurement | Warehouse
Cost Engineer
Sales Service Jobs
Sales Manager | Regional Sales
Account Manager | Solution Engineer
Delivery Engineer | Enablement Spec
O&M Engineer | FAE | Operations Engineer
Shared Support
Public Service Jobs
HRBP | Recruiter | Trainer
Financial Specialist | Accountant | Cashier
Customer Service | Administrator
AI Agent Jobs
Renon Core
Sales Auditor AI
Disciplinary Inspector AI
Market Intelligence AI
Mason
Five-level Performance Loop
Company | Platform | Department | Supervisor | Position
Standard Performance Weighting
Results 50% | Process 20% | Quality & Compliance 15% | Evidence & Closed-Loop Actions 15%
Five Platform Cost Control Metrics
Strategic Growth Platform=Annual Effective Collections × 1% | R&D Platform=Annual Effective Collections × 5% | Manufacturing Platform=Annual Effective Collections × 5% | Public Service Platform=Annual Effective Collections × 1% | Sales Service Platform=Annual Effective Collections × 8%
Global Operation Control Priorities
CEO Operations Dashboard
Global Pipeline Management
Regional P&L Management
Product Line P&L Management
Monthly S&OP & Global Fulfillment
Global Compliance Matrix
Data Ownership & AI Rules
Succession & Talent Review

Platformized One-Stop Solution

Scenario-driven | Platformized | Engineering-driven | Servitized

Built on four core product platforms, Renon's local EMS and cloud EMS create an intelligent operating layer.
Four execution systems turn standardized platforms into repeatable delivery, scalable operations, and long-term customer value.

Use Cases

- Peak Shaving
- Campus Energy
- PV-ESS-Charging
- Data Center Backup
- Microgrid Off-grid

Product Platform Matrix



MPack 261A
High-density Energy Storage Platform
Modular | Replicable



Smart Matrix
Standard Energy Storage Platform
Standardized | Replicable



EStand
Standardized Station-Level Integration Platform
Standardized | Replicable



X-Gen
Next-generation Scalable Platform
Open | Scalable

EMS
Digital Intelligence Layer

On-site real-time control | Cloud-based asset operations | Closed-loop data optimization



Local EMS
Edge Control | Real-Time Dispatch | Grid-Connected/Off-Grid Coordination



Cloud EMS
Multi-Site Monitoring | Remote O&M
AI Optimization

Four Core Capability Systems

Solution Engineering
- Needs Assessment
- Revenue Estimation
- System Design
- Configuration & Grid-Connection Strategy

Customer Enablement
- Training Co-Creation
- Scenario Cases
- Tool Templates
- Sales & Operations Support

Delivery Engineering
- Project Management
- Commissioning And Acceptance
- Construction Integration
- Standard Delivery Methodology

O&M Service
- Monitoring Alerts
- Performance Optimization
- Fault Response
- Warranty & Data Feedback Loop

End-to-End Lifecycle

1. Site &Value Assessment
2. System Design
3. Platform Configuration
4. Project Delivery
5. Ongoing Optimization

Customer Success Outputs

- Lower Total Cost of Ownership
- Faster Project Replication
- Greater Asset Visibility
- Stronger Long-Term Service Value

Strategic Positioning

Product platforms provide the standardized foundation. Local EMS and cloud EMS serve as the intelligent dispatch and data closed-loop hub. Solution Engineering, Customer Enablement, Delivery Engineering, and O&M Services convert platform capabilities into measurable, long-term customer value.

Core Competitive Advantages



Global Layout Advantage

Renon Power has established R&D and manufacturing bases in key global markets to respond quickly to regional needs, provide localized support, and strengthen market share and customer satisfaction.



Platform Synergy Advantage

Through seven key platforms, Renon Power streamlines resource allocation, cross-functional collaboration, operational efficiency, and decision-making to ensure smooth business operations.



Product Portfolio Advantage

Renon offers a diverse and intelligent product portfolio, ranging from energy storage devices to smart management systems, meeting the needs of various markets and customers. Our strong R&D and product iteration capabilities ensure that Renon stays ahead in technological competition.

RENON

Core Competitive Advantages

Solution Architecture Advantage

- Hardware-software seamless integration.
- Platform-based smart energy management.

Commercialization and Investment Synergy Advantage

- Platform-based business model attracting capital.
- Strategic partner synergy for sustained profitability.

Growth and Customer Empowerment Advantage

- Targeted market expansion tools.
- Continuous tech support to drive customer energy efficiency.

Delivery and O&M Assurance Advantage

- Standardized project execution & quality control.
- Provides technical support and maintenance for long-term stable system operation.



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Powering a sustainable future.

RELIABLE
Built for performance you can trust.

REMARKABLE
Delivering beyond expectations.

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Part 4

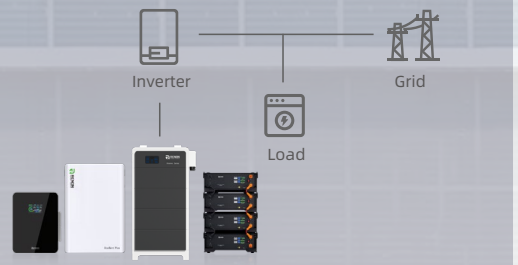
Product Portfolio and Solution Architecture

- Overview of the Three Main Product Lines
- Commercial and Industrial Energy Storage Product Line
- Application Scenario Matrix
- Residential Energy Storage Battery Product Line
- Solar Storage and Charging System Product Line
- Standard Solution Architecture



Residential

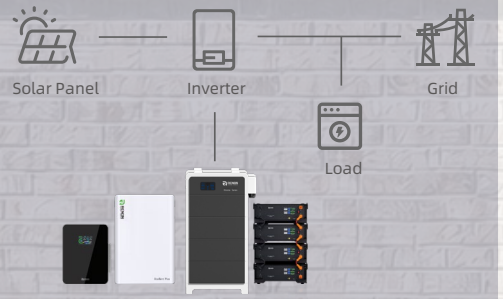
One-Stop Solution



★ Peak Shaving



★ Self-consumption



★ Energy Surplus



★ Emergency Backup



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Xcellent Plus US



IP65 | 10-Year Warranty

51.2 V Rated Voltage	16kWh Nominal Energy	200 A Max. Operating Current
~351 lbs Weight	22*8.3*34.6 in Dimension(W*D*H)	

UL9540, UL9540A, UL1973

Certifications

Installation Case





RENON

Xtreme LV

Compatible Inverter:

Sol-Ark solis Deye



IP65 | 10-Year Warranty

51.2 V	**5.12*N kWh(N=2~8)**	**300 A@4 Modules**
Rated Voltage	Nominal Energy	Max. Operating Current

545 lbs.@4 Modules	**25*10.6*49.2 in@4 Modules**
Weight	Dimension(W*D*H)

IEC 62619, UN 38.3, UL1973
UKCA, CEI 0-21, EN-62311, EN-61000

Certifications

Installation Case





RENON

Xtreme HV

Compatible Inverter:

Sol-Ark Fronius solis Deye



IP65 | 10-Year Warranty

102.4*N V (N=2~5) Rated Voltage	**5.12*N kWh**(N=2~5) Nominal Energy
600 lbs.@4 Modules Weight	**30.5*10.6*53.9 in**@4 Modules Dimension(W*D*H)
IEC62619, MSDS, UN38.3UL 1973, UL 9540, UL 9540A Certifications	

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ECube 60AP

AC 60 kWh Battery



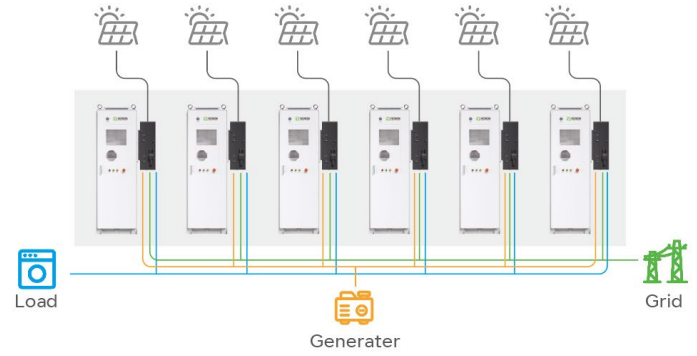
ECube 60A | Grid-tie | Off-grid | IP54

61.44 kWh Capacity	**30/60kW** Rated Output Power(US)	**50kW** Rated Output Power(EU)
~1050/~2314.8 Weight(kg/lb)	**750*950*2280/29.5*37.4*89.7** Dimension-W*D*H(mm/in)	

UL 9540, UL 9540A, UL 1973, CEC
EN62619, EN62477, EN61000, EN301908, EN301489
Certifications

System Layout





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Commercial & Industrial Solution

- Distributed AC Couple & DC Couple
- Hybrid All-in-one
- Containerized ESS



RENON



AC 261 kWh Battery

MPack 261A

5 Year Warranty | IP54

261kWh Capacity	135kW Rated AC Output Power	832V Nominal Voltage
~6250 Weight(lb)	~43*57.3*93.4 Dimension-W*D*H(in)	

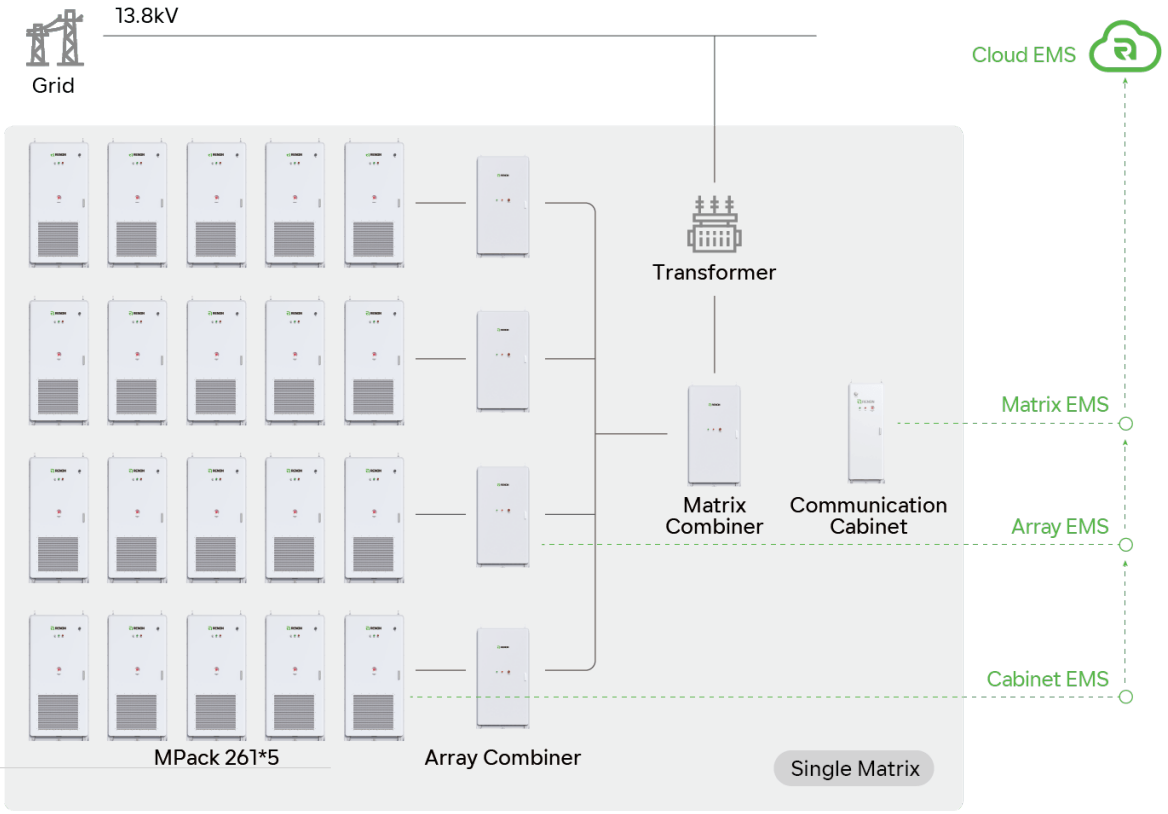
ANSI, CAN, UL1973,UL9540, UL9540A, UL1741,
CSA C22.2, IEEE 1547

Certifications

On-Grid Applications

Peak Shaving I Load Shifting I VPP I Demand Management I Export Limitation

2.7MW/5.2MWh
BESS Matrix-Level Energy Storage



4*（2.7MW/5.2MWh）
BESS Matrix-Level Energy Storage



Configuration List (Single Matrix)

Components	Quantity
MPack 261A	20*4 units
Array Combiner	4*4 units
Matrix Combiner	1*4 units
Communication Cabinet	1*4 units
Transformer	1*4 units
Auxiliary Power Distribution Cabinet	1*4 units

Configuration List (Single Matrix)

Components	Quantity
MPack 261A	20 units
Array Combiner	4 units
Matrix Combiner	1 unit
Communication Cabinet	1 unit
Transformer	1 unit
Auxiliary Power Distribution Cabinet	1 unit

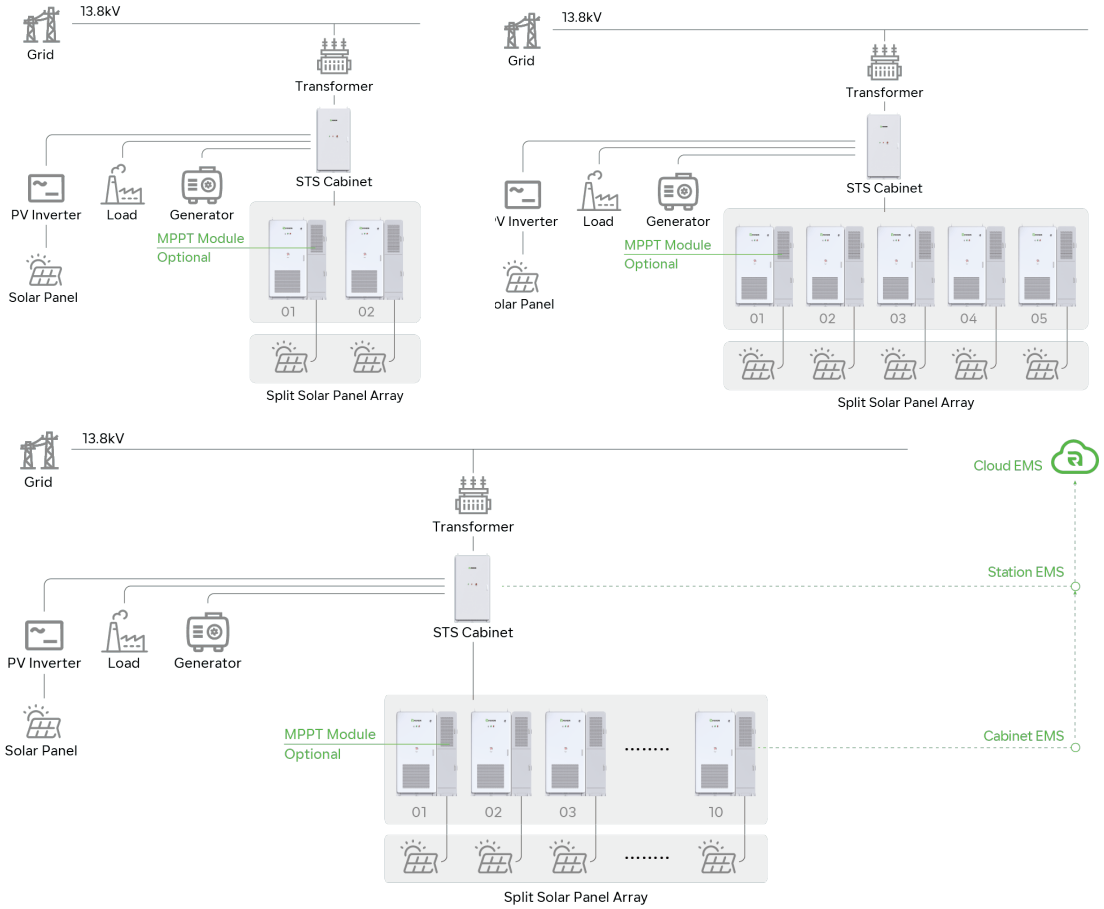
Scene Image





On/off-Grid Applications

On/Off-Grid Operation I Continuous Power Supply I Hospitals I Island Power Systems I PV & Diesel Integration



Configuration List

Components	Quantity
MPack 261D	10 units
DC Combiner Cabinet	Configure as needed
SST Cabinet	1 unit

Components	Quantity
Communication Cabinet	1 unit
Auxiliary Power Distribution Cabinet	1 unit

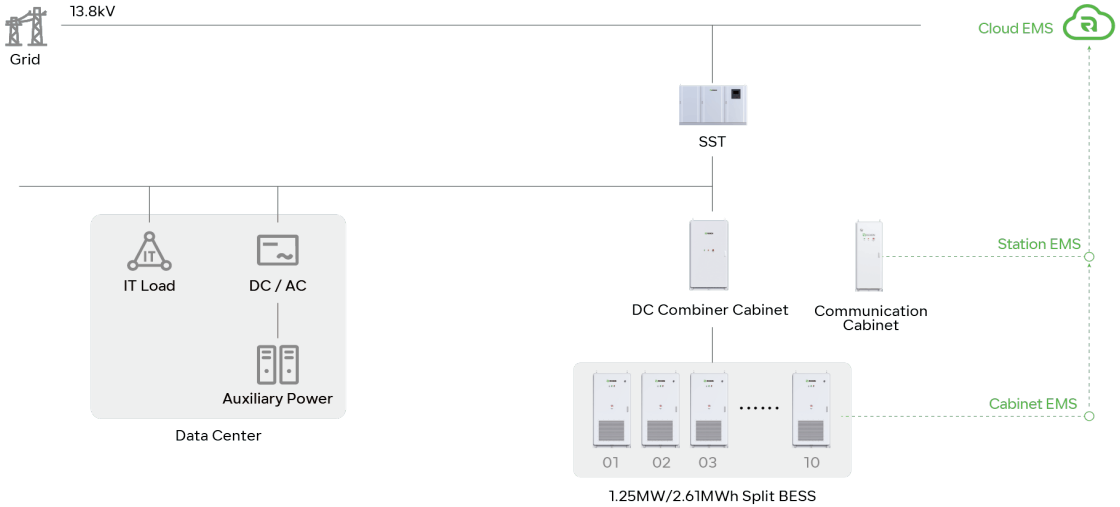
*Dual-route input, above configuration ×2

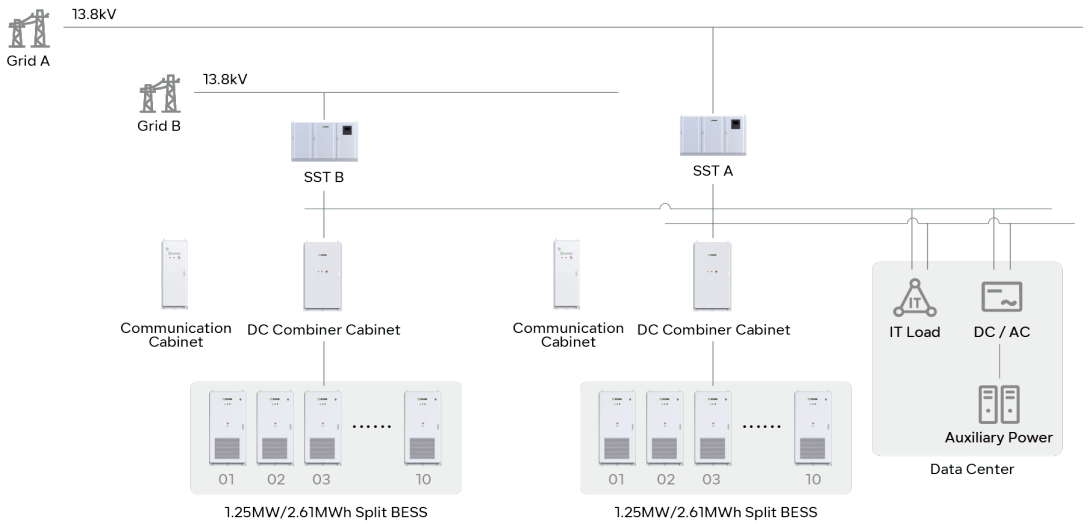
Scene Image



Data Center Applications

Data Centers I 13.8 kV MV Connection I Step-Up Transformer I Solid-State Transformer I DC Bus Coupling





Configuration List

Components	Quantity
MPack 261D	10 units
DC Combiner Cabinet	Configure as needed
SST Cabinet	1 unit

Components	Quantity
Communication Cabinet	1 unit
Auxiliary Power Distribution Cabinet	1 unit

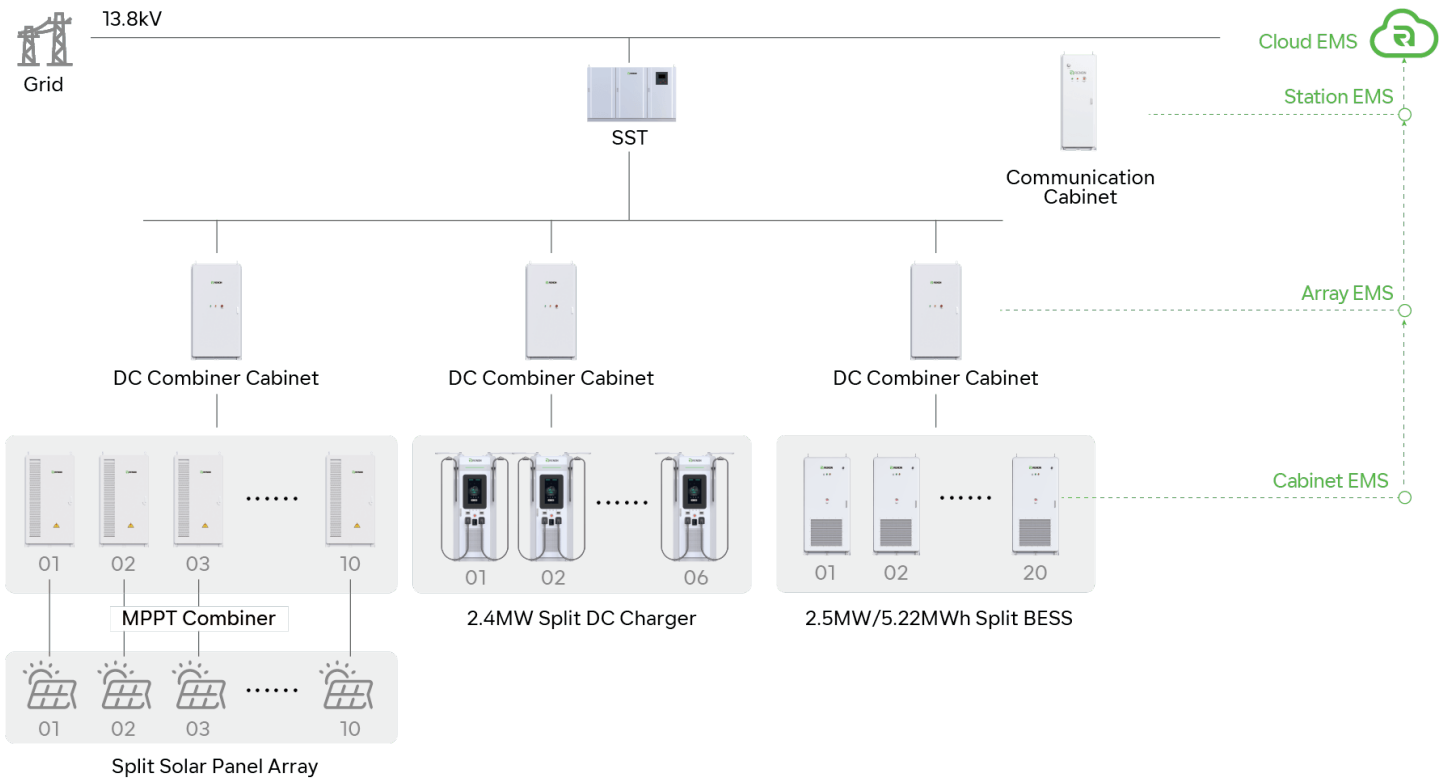
*Dual-route input, above configuration ×2

Scene Image



Solar Storage & Charging Applications

13.8 kV MV Grid Integration I Solid-State Transformer I DC Bus Coupling I Power Distribution I Unidirectional Power Flow



Configuration List

Components	Quantity
MPack 261D	20 units
DC Combiner Cabinet	Configure as needed
DC Charging Station	6 units
MPPT Cabinet	10 units

Components	Quantity
SST Cabinet	1 unit
Communication Cabinet	1 unit
Auxiliary Power Distribution Cabinet	1 unit

Scene Image





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Renewable | Reliable | Remarkable

MPack 261AS AC 261 kWh Battery

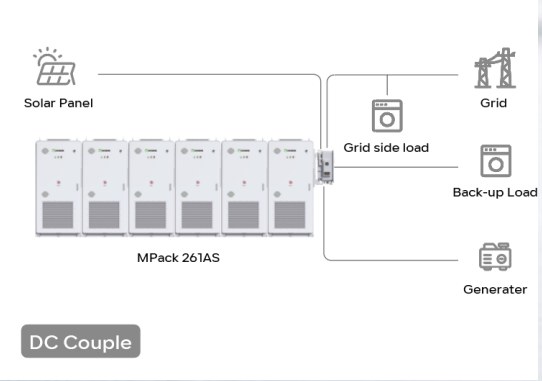


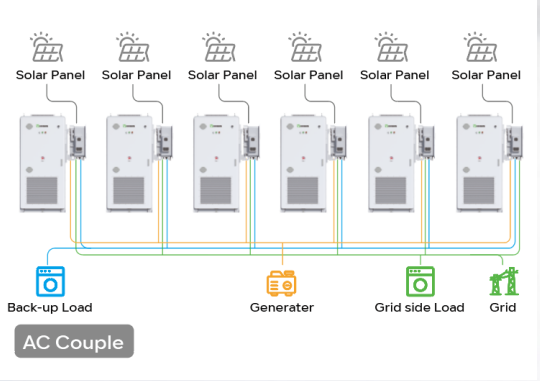
MPack 261AS | 5 Year Warranty | IP54

261kWh	**125kW**	**832V**
Capacity	Rated AC Output Power	Nominal Voltage
~6250	**~43*57.3*93.4**	
Weight(lb)	Dimension-W*D*H(in)	

ANSI, CAN, UL1973,UL9540, UL9540A, UL1741, CSA C22.2, IEEE 1547

Certifications





RENON

Smart Matrix Series

10ft Battery & Boost Converter One Stop Solution

Smart Matrix | 3 Year Warranty | IP54

1.67/3.34/5MWh	840/1670/2500kW	1331V	15000	2991*2438*2591
Capacity	AC Output Power（AC Version）	Nominal Voltage	Single System Weight(kg)	Single System Dimension-W*D*H(mm)

IEC 62619, IEC 62477, IEC 61000, UN3536

Certifications

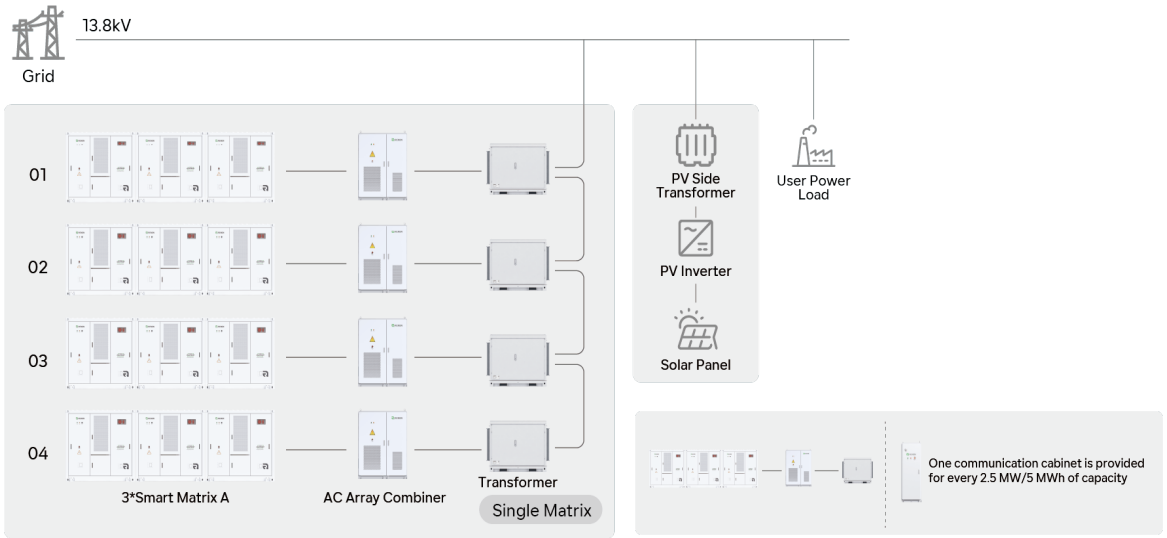






On-Grid Applications (13.8kV) Smart Matrix A

Large Factories I Industrial Parks I Commercial Complexes I Data Centers I Demand Management



10MW/20MWh BESS Matrix-Level Energy Storage



4*(10MW/20MWh) BESS Station-Level Energy Storage

Configuration List

Single Matrix Configuration

Components	Quantity
Smart Matrix A	4*3 units
AC Array Combiner	4 units
Communication Cabinet	4 units
Transformer	4 units
Auxiliary Power Distribution Cabinet	1 unit

Max. Matrix Configuration

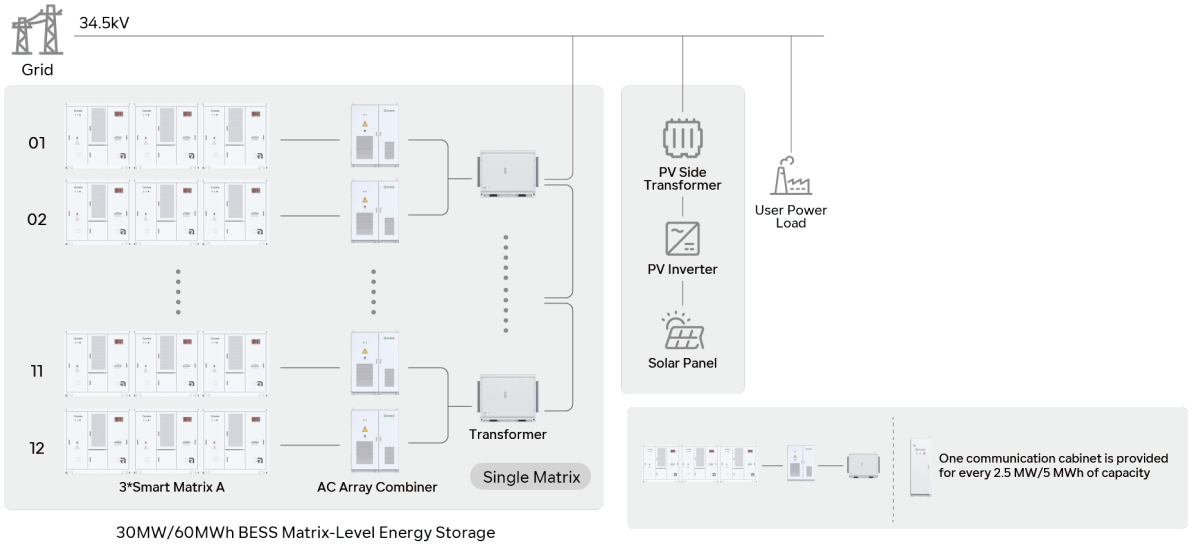
Components	Quantity
Smart Matrix A	4*4*3 units
AC Array Combiner	4*4 units
Communication Cabinet	4*4 units
Transformer	4*4 units
Auxiliary Power Distribution Cabinet	4*1 units

Scene Image



On-Grid Applications (34.5kV) Smart Matrix A

Utility-Scale Projects I Renewable Energy Integration I 34.5 kV Grid Connection I Grid Dispatch Response I Ancillary Services



30MW/60MWh BESS Matrix-Level Energy Storage



4*(30MW/60MWh) BESS Station-Level Energy Storage

Configuration List

Single Matrix Configuration

Components	Quantity
Smart Matrix A	3*12 units
AC Array Combiner	12 units
Communication Cabinet	6 units
Transformer	6 units
Auxiliary Power Distribution Cabinet	6 units

Max. Matrix Configuration

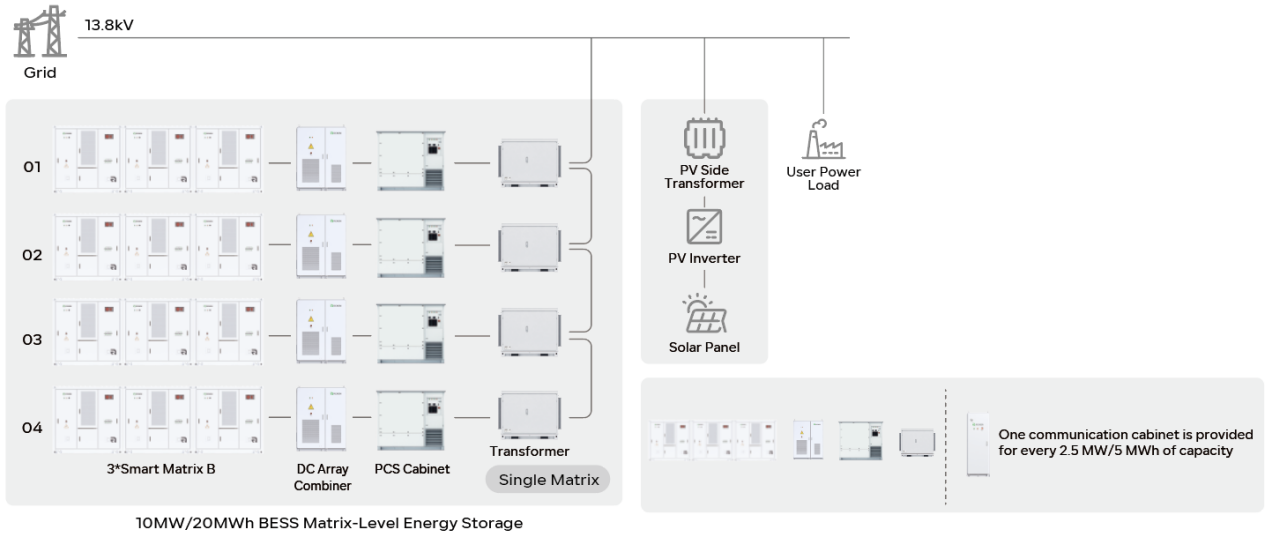
Components	Quantity
Smart Matrix A	4*3*12 units
AC Array Combiner	4*12 units
Communication Cabinet	4*6 units
Transformer	4*6 units
Auxiliary Power Distribution Cabinet	4*6 units

Scene Image



On-Grid Applications (13.8kV) Smart Matrix B

Large Factories I Industrial Parks I Commercial Complexes I Data Centers I Demand Management



10MW/20MWh BESS Matrix-Level Energy Storage



4*(10MW/20MWh) BESS Station-Level Energy Storage

Configuration List

Single Matrix Configuration

Components	Quantity
Smart Matrix B	4*3 units
PCS Cabinet	4 units
DC Array Combiner	4 units
Communication Cabinet	4 units
Transformer	4 units
Auxiliary Power Distribution Cabinet	1 unit

Max. Matrix Configuration

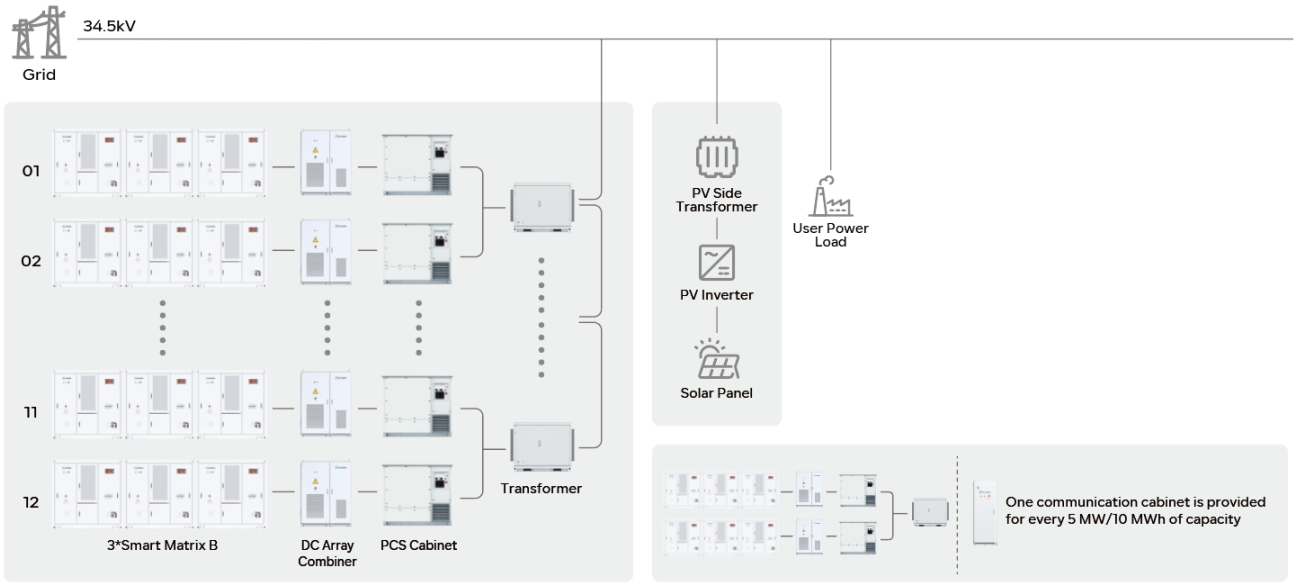
Components	Quantity
Smart Matrix B	4*4*3 units
PCS Cabinet	4*4 units
DC Array Combiner	4*4 units
Communication Cabinet	4*4 units
Transformer	4*4 units
Auxiliary Power Distribution Cabinet	4*1 units

Scene Image



On-Grid Applications (34.5kV) Smart Matrix B

Utility-Scale Projects I Renewable Energy Integration I 34.5 kV Grid Connection I Grid Dispatch Response I Ancillary Services



30MW/60MWh BESS Matrix-Level Energy Storage



4*30MW/60MWh BESS Station-Level Energy Storage

Configuration List

Single Matrix Configuration

Components	Quantity
Smart Matrix B	3*12 units
PCS Cabinet	12 units
DC Array Combiner	12 units
Communication Cabinet	6 units
Transformer	6 units
Auxiliary Power Distribution Cabinet	6 units

Max. Matrix Configuration

Components	Quantity
Smart Matrix B	4*3*12 units
PCS Cabinet	4*12 units
DC Array Combiner	4*12 units
Communication Cabinet	4*6 units
Transformer	4*6 units
Auxiliary Power Distribution Cabinet	4*6 units

Scene Image



RENON

Renewable | Reliable | Remarkable

Battery-Buffered Fast Charging

EStand



1. Stable & Reliable

261kWh energy storage ensures stable power during grid fluctuations. Advanced cooling enhances long-term performance.

2. Smart Management

Supports remote monitoring and real-time control for easy maintenance. Charging data recording helps optimize operations.

3. Energy Saving & Eco-Friendly

High-efficiency conversion reduces energy loss and costs. Compatible with solar and wind energy to lower carbon footprint.

4. Enhanced User Experience

User-friendly interface supports multiple payment methods. Built-in protections ensure safe charging.

5. Space-Saving

Compact dual-gun design minimizes installation space, fitting various locations.

6. Cost-Effective

Efficient charging reduces power loss and boosts operational efficiency. Smart management and cooling extend equipment lifespan.



Efficient Charging

400kW high-power output enables fast charging, reducing wait times.
Dual-gun charging allows two vehicles to charge simultaneously.

Safety Features

261kWh storage provides backup power during grid instability or peak pricing. Off-grid supply ensures uninterrupted charging.

Data & Analysis

Records charging data for tracking and optimization. Energy reports help improve efficiency and reduce costs.

User Interaction

Touchscreen display shows charging status and costs. Supports card, QR, and app payments. Notifications update users in real time.

RENON



Battery-Buffered Fast Charging

EStand

3 Year Warranty | IP54

261kWh
Capacity

135kW
Rated AC Output Power

US:137.5kVA EU:150kVA
Max. AC Output Power(kVA)

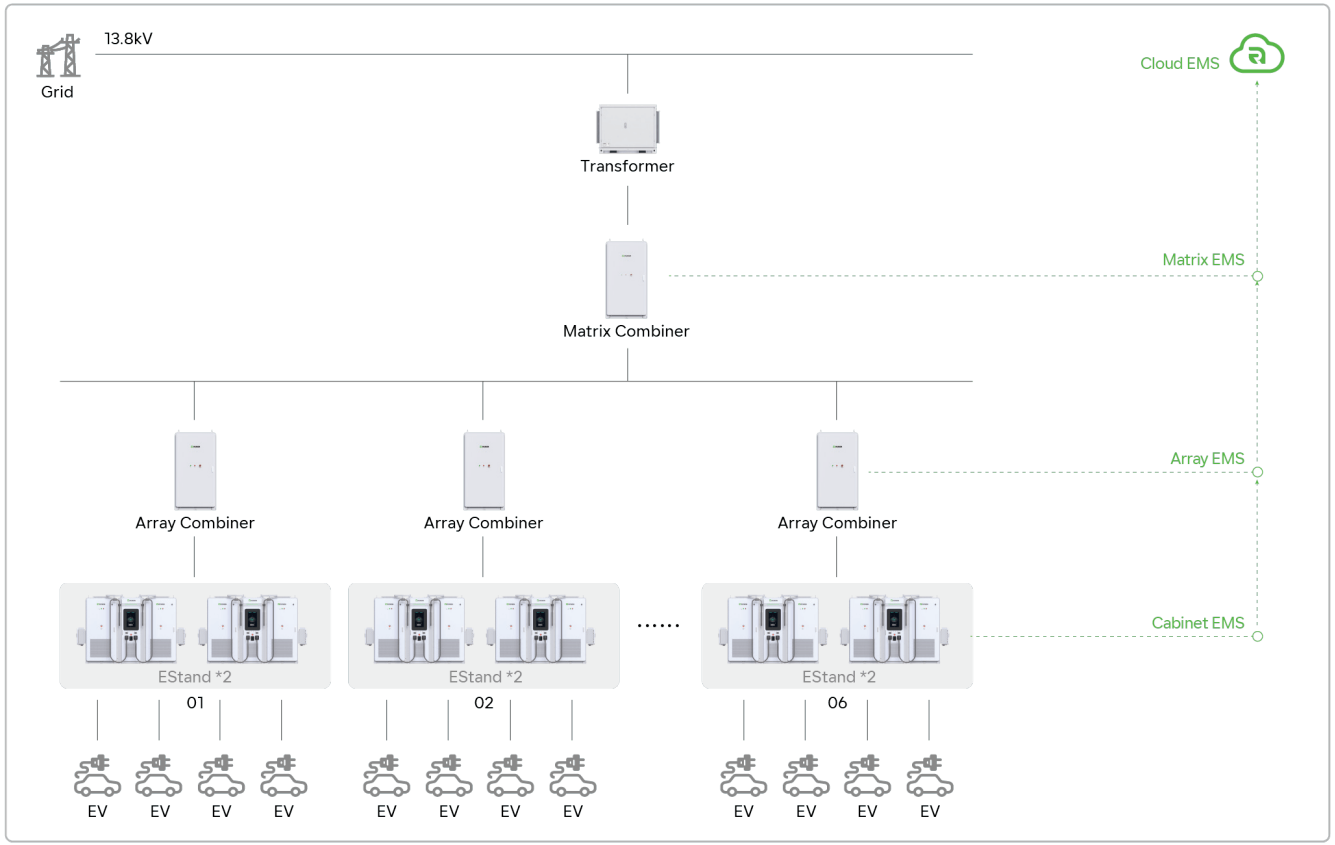
US:165.4A EU:182A
Max. Output Current(A)

-15%~10%(Adjustable)
Output Voltage Range(Vac)

>8000 cycles @80%DoD
Service Life

LV On-Grid Charging Applications

Low-Voltage Grid Connection I EV Charging Services I Peak Shaving I Demand Management I Flexible Capacity Expansion



Scene Image

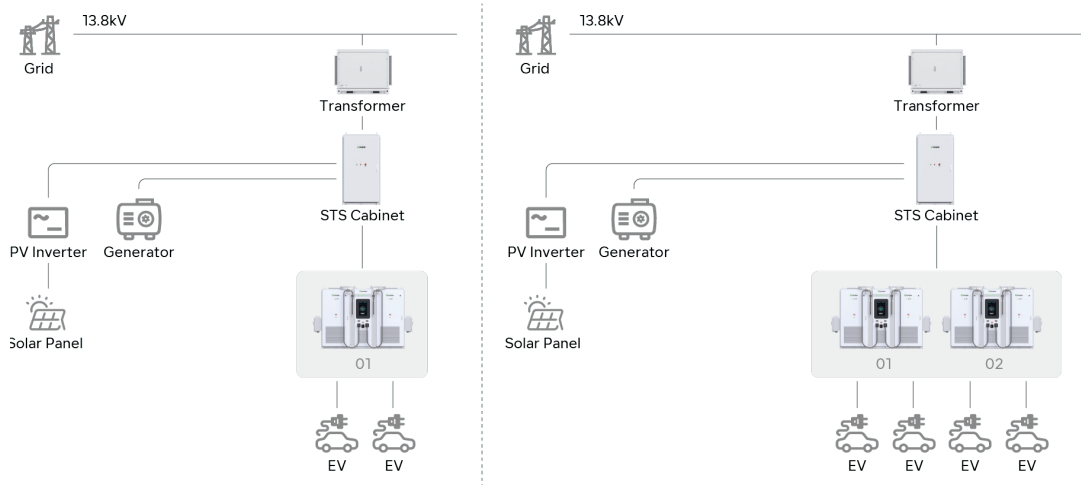


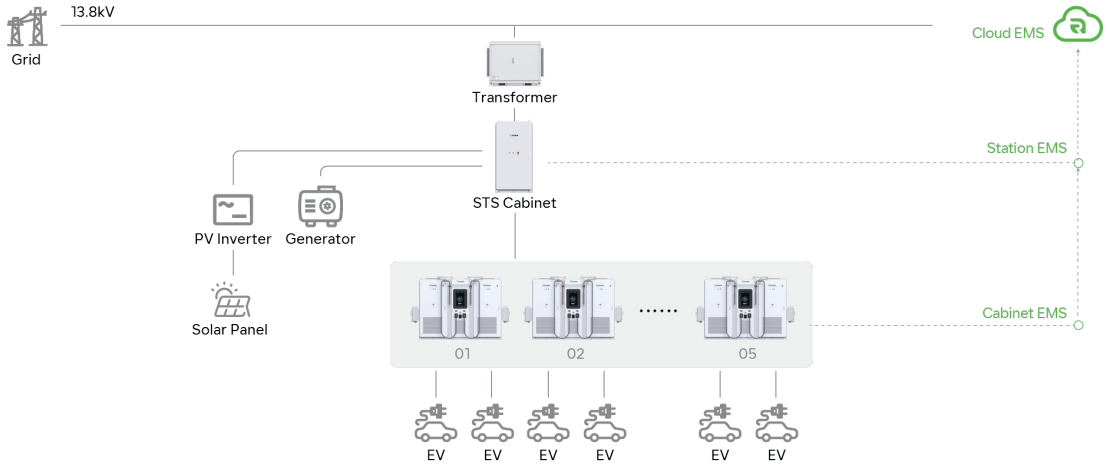
Configuration List

Components	Quantity	Remarks
EStand	6 units	Each unit includes 2*261 kWh & 1*400 kW charging stations
Array Combiner	3 units	Every 2 EStands are connected to a single array cabinet
Matrix Combiner	1 unit	Connect 3 array cabinets
MPPT Cabinet	Optional	each unit can be paired with 1 unit (i.e., up to 2 units per EStand)
Communication Cabinet	3 units	Same as the matrix distribution cabinet
Auxiliary Power Distribution Cabinet	Optional	/

On/Off-Grid Solar-Storage-Diesel Charging Applications

Data Centers I Hospitals I Critical Infrastructure I Uninterrupted Power Supply I EV Charging





Configuration List

Components	Quantity	Remarks
EStand	1/2/5 units	Each unit includes 2*261 kWh & 1*400 kW charging stations
STS Cabinet	1 units	/
MPPT Cabinet	Optional	each unit can be paired with 1 unit (i.e., up to 2 units per EStand)
Auxiliary Power Distribution Cabinet	Optional	/
Generator	Optional	To be provided by the buyer

Scene Image



RENØN

HYBRID GENERATOR



- Power Generation & Storage for Max. Efficiency
- All-in-One Charging
- High-Power Output, Handles Heavy Loads with Ease

RENON

Renewable | Reliable | Remarkable

Vehicle-mounted Mobile Power Supply

XGen



- ★ 522kWh Nominal Energy
- ★ 702~936V Voltage Range
- ★ 314A Nominal Discharging Current
- ★ IP54 / NEMA 3R
- ★ Liquid cooling
- ★ UL1973, UL1741, UL9540A, FCC Part 15 Class B, UN38.3, UL2594, UL2231-1, UL2231-2, UL2231.24

Efficient Power Generation & Intelligent Energy Storage

XGen optimizes PCS power distribution, minimizing fuel consumption and reducing reliance on high-power generators. Its large capacity supports hybrid, off-grid, and AC/DC coupling modes for seamless energy management.

Versatile Compatibility for Any Power Requirement

Designed for residential, commercial, and industrial applications, it provides multiple voltage outputs, ensuring reliable performance for heavy loads.

Smart Control & Seamless Integration

With a built-in EMS system, real-time monitoring and remote control via Web & App enable effortless energy management, optimizing efficiency in diverse energy scenarios.

Comprehensive Charging & Powering Solution

Equipped with Combo fast charging, Type-C & Type-A ports, XGen powers EVs, storage systems, and digital devices, offering a complete and future-ready energy solution.

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Renewable | Reliable | Remarkable

XGen

Vehicle-mounted Mobile Power Supply



522kwh Nominal Energy	702~936V Voltage Range	314A Nominal Charging/Discharging Current
90% DoD	IP54 IP Rating	Liquid-cooled Thermal Management Mode



Part 5

Customer Path and Growth Engine

- Overview of the six major customer portraits
- Brands and growth engines
- Six customer portrait empowerment systems

Overview of 6 Customer Segments

Customer Segment	What's Clients Focus	Renon Approach
Asset Investors / Asset Managers / Platform Operators	Stable Returns | Asset Growth | Risk Control	Scalable Solutions | Stable Performance | Transparent Project Logic
IPPs / Developers	Project Pipeline | Cost Control | Project Returns	Advanced Technology | Cost Optimization | Performance Improvement
EPC / EPC-of-Record / Design Institutes	Product Reliability | Technical Clarity Smooth | Delivery	Product Reliability | Technical Clarity | Smooth Delivery
Distributors / Installers / Channel Partners / Brands	Sales Growth | Installation Efficiency | End-user Satisfaction	Product Portfolio | Training Support | Technical Backing
Aggregators / VPP / DR / DERMS / Retail Energy	Asset Optimization | Smart Dispatch | Grid Value	Platform Integration | Intelligent Control | Market Participation
Commercial & Industrial End Users / Site Operators	Cost Savings | Energy Efficiency | Operational Reliability	Storage + EMS | Load Optimization | Efficiency Improvement

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Empowerment System for 6 Customer Segments

From product understanding to project delivery, Renon builds a structured enablement system for every customer segment.



Customer Toolkit System

Clarify product specs, system value, and key selling points.



Scenario-Based Solution Education

Tailored training for Investment, EPC, VPP, and C&I applications.



Installation & Commissioning Training

Standardize SOPs for wiring, commissioning, and trouble shooting.



Co-Branding & Market Enablement

Provide brand materials, joint campaigns, and sales tools.



O&M Service Training

Build long-term capabilities via inspection, reporting, and support.

RENON

Brand and Growth Engine



Brand Design

Build a unified brand identity, visual system, and market message.



Brand Promotion

Increase market visibility through events, content, exhibitions, and digital campaigns.



Brand Growth

Turn brand awareness into leads, opportunities, and sales growth.



Installer & Channel Growth

Scale certified installers, distributors, and regional channel networks.



TPO / PPA Growth

Drive project adoption through financing and partnership models.



Aggregator & VPP Growth

Connect DER assets to unlock dispatch, aggregation, and grid value.



Strategic Finance & Development

Connect capital, financial institutions, and ecosystem partners for long-term expansion.

Part 6

Commercialization Path and Investment Logic

- Business Model and Cooperation Structure
- Project Investment and Financing Logic
- Project Replication and Scaling Path



RENON

Business Model and Cooperation Structure

Business Models

Product Sales Model

Direct sales and channel distribution to expand market coverage.

System Solution Model

Integrated hardware, software, and services for customized energy solutions.

EPC Collaboration Model EPC

Work with EPC partners for design, delivery, and efficient project execution.

Cooperation Structures

O&M Service Model

Provide monitoring, maintenance, and optimization for long-term system reliability.

Investment Cooperation Model

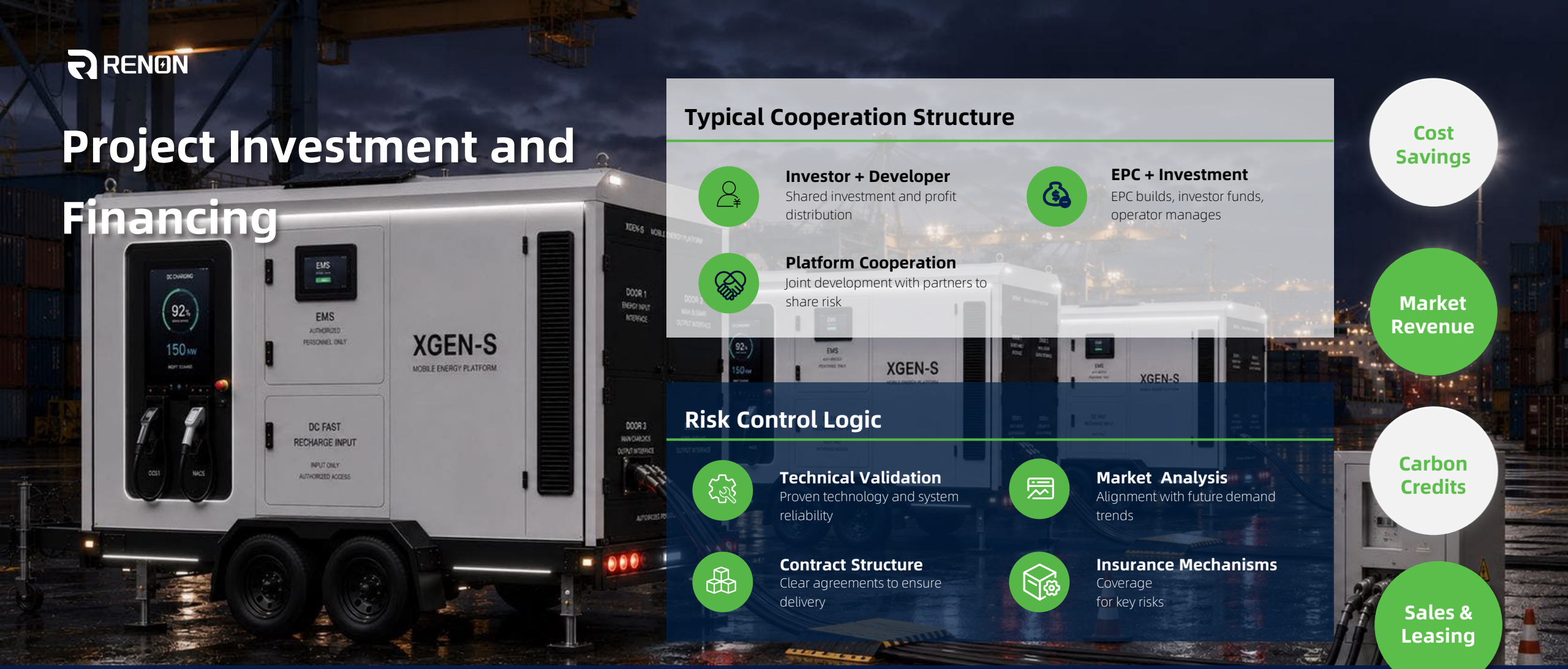
Partner with investors and developers to co-invest and share project returns.

Strategic Partnership Model

Build long-term partnerships to expand resources, markets, and ecosystem growth.

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Project Investment and Financing



Typical Cooperation Structure

Investor + Developer
Shared investment and profit distribution

EPC + Investment
EPC builds, investor funds, operator manages

Platform Cooperation
Joint development with partners to share risk

Risk Control Logic

Technical Validation
Proven technology and system reliability

Market Analysis
Alignment with future demand trends

Contract Structure
Clear agreements to ensure delivery

Insurance Mechanisms
Coverage for key risks

- Cost Savings
- Market Revenue
- Carbon Credits
- Sales & Leasing

Market Demand
Growing demand for energy storage and renewables

Technology Advantage
Advanced products and energy management systems

Policy Support
Incentives such as subsidies and tax benefits

Long-term Returns
Stable cash flow from sustainable energy solutions

RENON

Project Investment and Financing

Capital Security	Policy Risk	ROI
Strong risk control and transparency	Mitigated through analysis and diversification	Stable and predictable returns

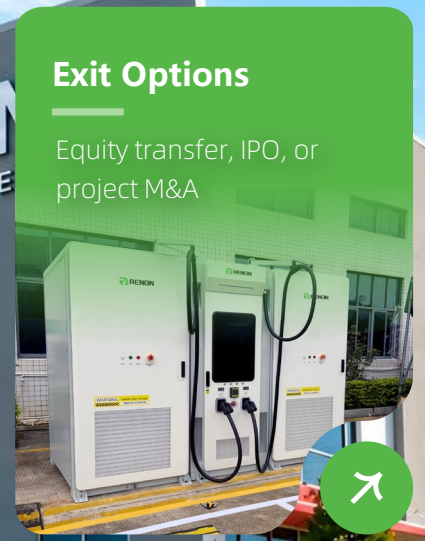
Renon ensures confidence through financial modeling, risk sharing, and transparent reporting.

EXPLORE SOLUTIONS

Investment-to-Exit Path







Renon ensures confidence through financial modeling, risk sharing, and transparent reporting.

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Project Replication and Scaling Path

From Single Project to Benchmark Project



Select a representative project as a benchmark to validate technology, service, and market fit, creating a replicable model for future projects.

From Benchmark Project to Regional Replication



Once validated, replicate the benchmark model across similar regional markets with localized adjustments based on demand, policy, and market conditions.

From Regional Replication to Scaled Growth



Expand successful regional models across broader markets to create synergies, scale effects, and sustained business growth.

RENON

Project Replication & Scaling Path

Product Replication Logic

Standardized product design and manufacturing enable fast replication across projects and regions while ensuring quality, delivery speed, and adaptability.

Scenario Replication Logic

Replicate successful solutions across residential, commercial, and industrial scenarios by adapting them to similar application needs.

Business Replication Logic

Scale through repeatable business models such as EPC, system integration, and channel sales, supported by standardized commercial processes.

Organizational and Delivery Replication Logic

Standardize organizational structure, management methods, and delivery processes so teams can quickly enter new markets and execute projects efficiently at scale.



RENEWABLE
Powering a sustainable future.

RELIABLE
Built for performance you can trust.

REMARKABLE
Delivering beyond expectations.

RENON

Part 7

Project Delivery and Execution Excellence

- Typical Cases and Benchmark Projects
- Delivery, O&M, and Lifecycle Service Capabilities



RENON

Delivery, O&M, and Lifecycle Service Capabilities

Pre-sales Technical Support
Consulting, demand analysis, and site assessment for optimal design.

EPC Collaboration Capability
Joint execution to reduce risks and ensure efficient delivery.

Project Delivery Capability
Standardized management across design, procurement, and installation.

Grid Connection & Acceptance
Seamless grid integration, rigorous commissioning, and compliance.

O&M Service Capability
Remote monitoring, rapid fault response, and minimal downtime.

Lifecycle Management Capability
Design-to-operation lifecycle support, improving efficiency and reducing costs.

Long-term Service Assurance
Warranty, upgrades, and support for long-term performance and customer satisfaction.



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Part 8

Partnership Conversion and Next Steps

- Why Choose Renon
- Partnership Path and Next Steps



RENON

Why Choose Renon



Brand and Platform Credibility

Renon combines strong brand influence with globally recognized technical capabilities, delivering trusted end-to-end energy solutions.

Global Presence and Local Execution

With R&D and manufacturing bases across key regions, Renon provides fast response and localized support in global markets.

Product and Solution Portfolio

Renon offers diversified products and integrated solutions, serving needs from residential to industrial applications.

Customer Empowerment and Growth Capability

Through intelligent platforms and integrated solutions, Renon helps customers improve efficiency, reduce costs, and achieve sustainable growth.

Business and Investment Synergy

Renon connects business execution with investment collaboration, creating long-term value for partners and investors.

Project Delivery and Long-term Service

Renon ensures efficient project delivery and provides lifecycle services, including O&M and upgrades, for long-term system performance.

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Partnership Path and Next Steps

- **Initial Engagement**
- **Solution Design and Value Assessment**
- **Project Launch and Execution**
- **Needs Identification and Scenario Matching**
- **Business Negotiation and Cooperation Structure Confirmation**
- **Long-term Partnership and Scalable Expansion Path**



RENON

Thanks for Watching

For Residential, C&I and Solar-Storage-Charging Applications

EXPLORE SOLUTIONS >

VIEW PRODUCTS



Global Layout
Serving North America and beyond

Platform Capability
Scalable, reliable, and future-ready

Product Portfolio
Comprehensive solutions for every need

Customer Growth
Partnering for long-term success

Commercialization
Accelerating clean energy adoption

Execution Excellence
Delivering quality with integrity