

Renepoly
-Quality and Services Define US.



Devoted Innovator of Smart Microgrid Solutions

Connect with Renepoly for Quick, Efficient Responses

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Renepoly Technology



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Company Profile

Renepoly is a distinguished high-tech company specializing in specializing in providing microgrid solutions and manufacturing intelligent microgrid controller and energy storage systems.

Our mission is to drive efficient sustainable energy development through the deployment of microgrids.

Through innovation, we strive to make renewable energy more accessible and smarter, contributing to a cleaner, more sustainable future.

Business Lines



Engineering

Engineering of ESS cabinet & container, smart EMS and microgrid system.



Manufacturing

Manufacturing the products of ESS cabinet & container and smart EMS controller.



Construction

Construction and delivery of ESS and microgrid projects.



O & M

Operation and maintenance of ESS and microgrid projects.



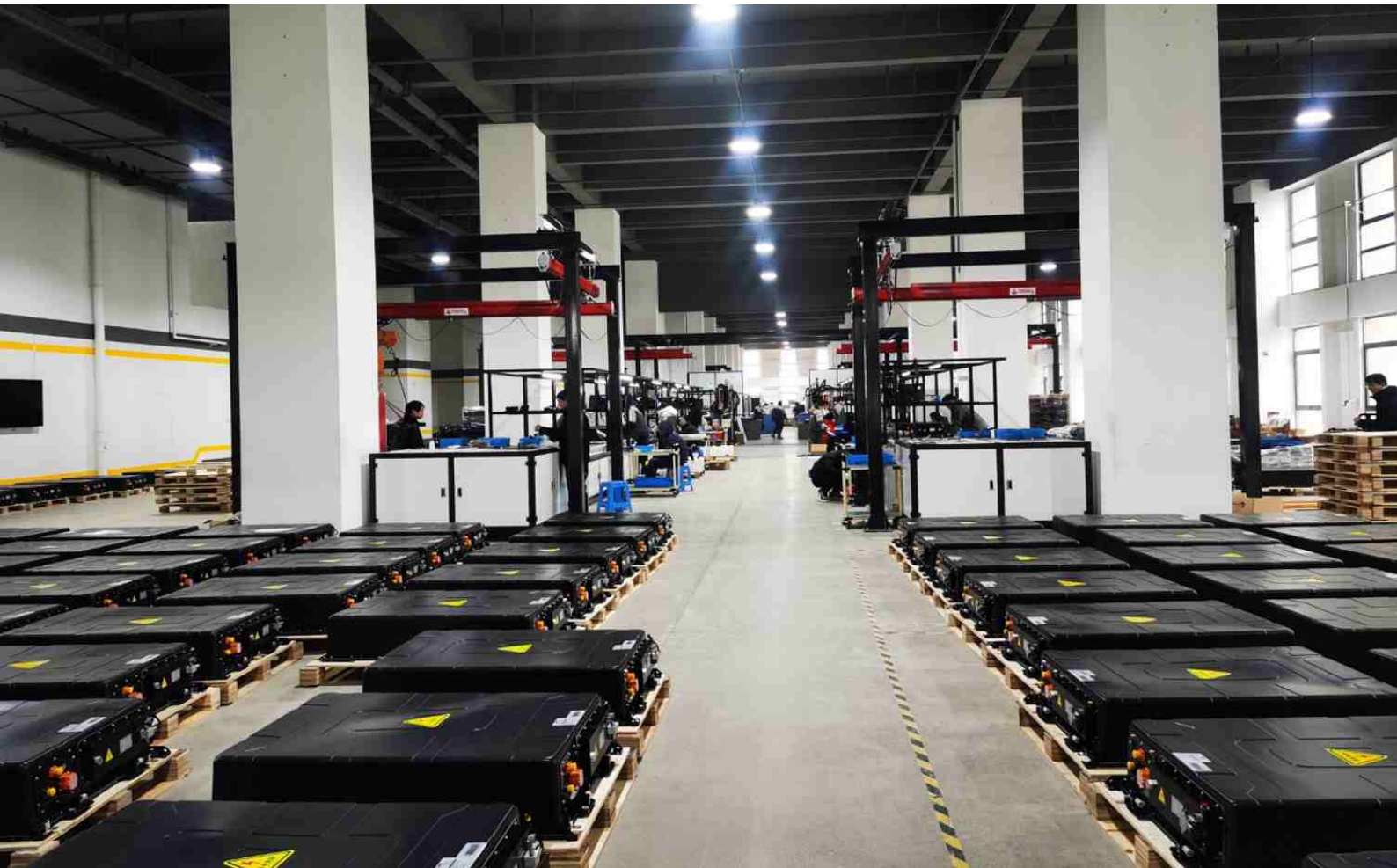
Consultancy

Technical and project management consultancy to ESS and microgrid projects.



Analysis

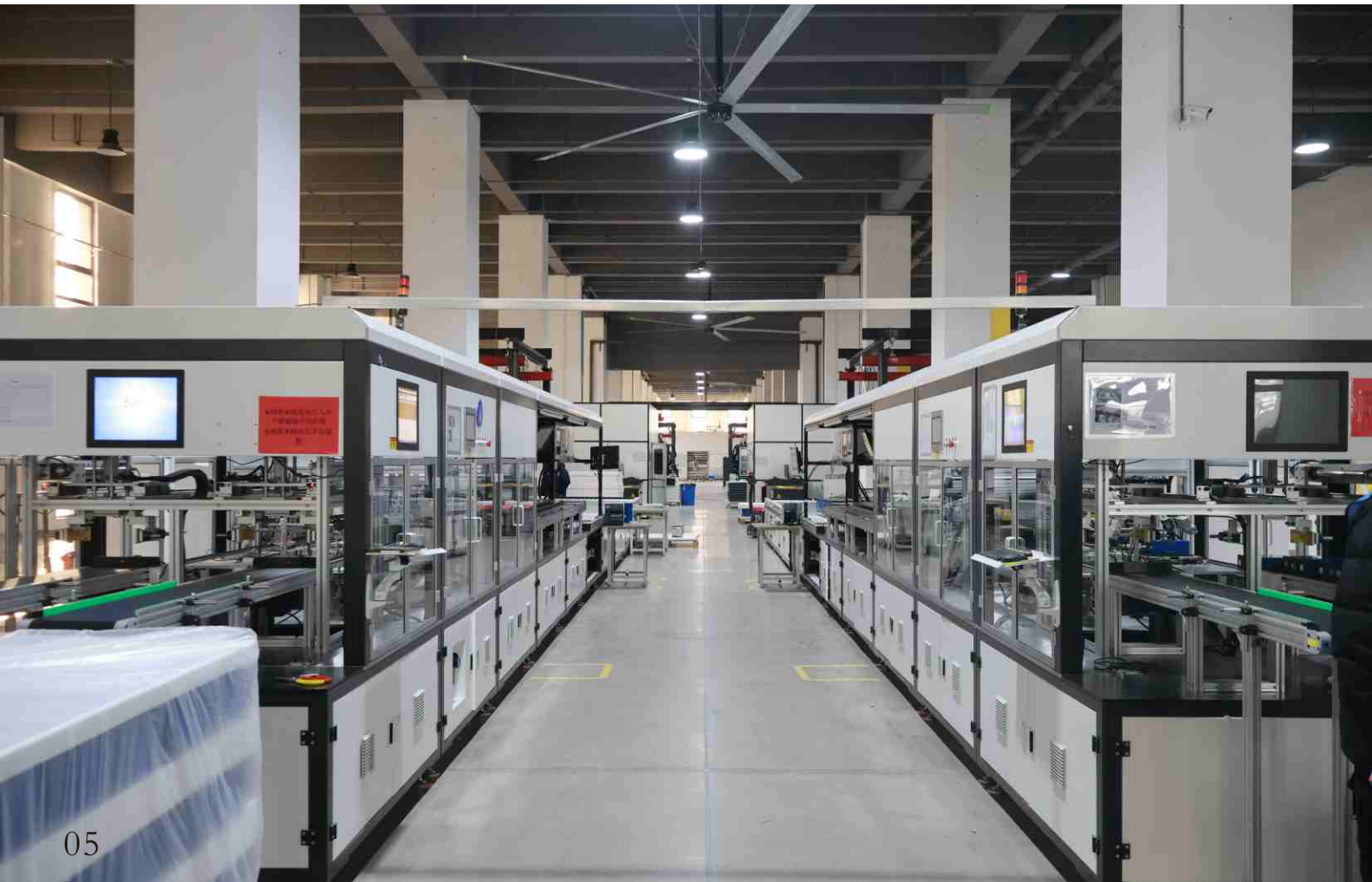
Feasibility study and investment analysis to ESS and microgrid projects.



Competence

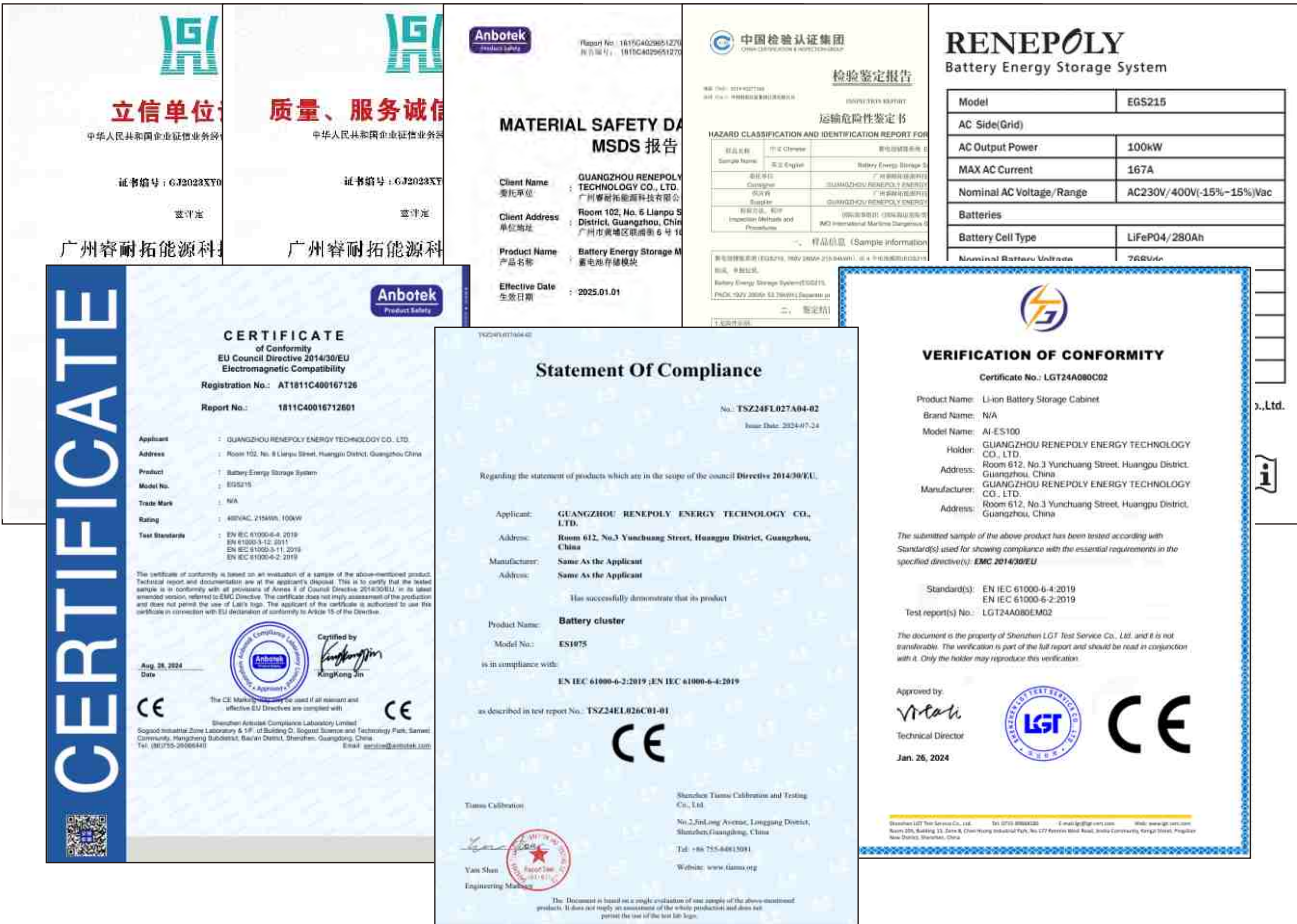
 25+	 10000m ²	 40+	 150+
Serviced Countries	Factory Size	Running Projects	Expert Workers

- Smart Microgrid Laboratory with BESS, EV Charger, Generator, Grid and EMS
- 10000sqm battery pack and Microgrid Controller factory and with high-quality production
- R&D and technical team for innovative smart microgrid technologies
- Responsive Services from experienced overseas local operations team



Certificates

Complete ISO, CE, UN and various credibility certificates to ensure our exports go smoothly



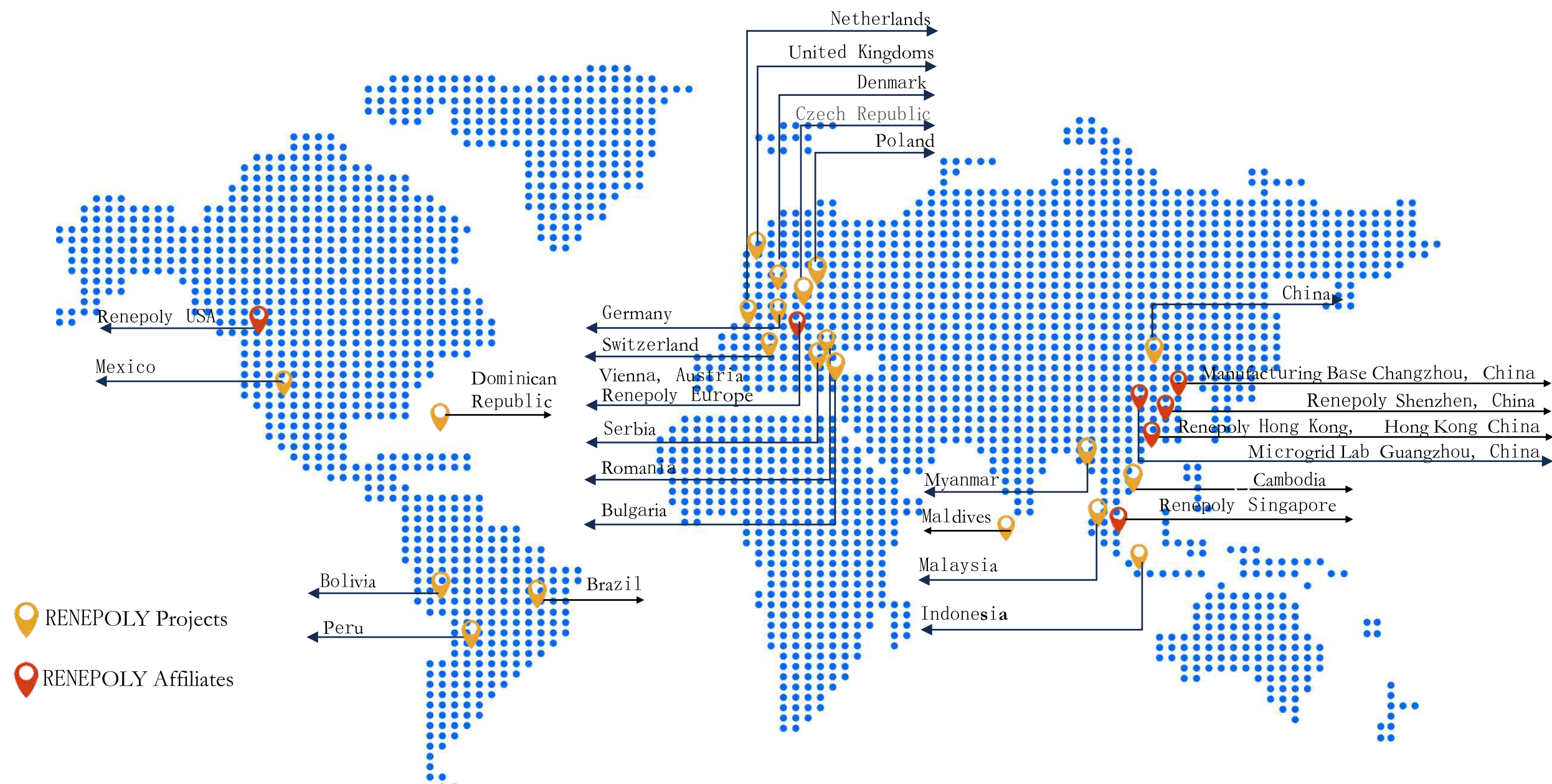
Company ISO Certificates

CE UL UN38.3 MSDS EN50549

Service Network

RENEPOLY service network covers more than 20 countries and regions around the world, such as China, Germany, the United Kingdom, the United States, Mexico, Maldives, Indonesia and so on.

It also has a number of technical service centres in China, the United States, Austria, Singapore, Hong Kong and so on.



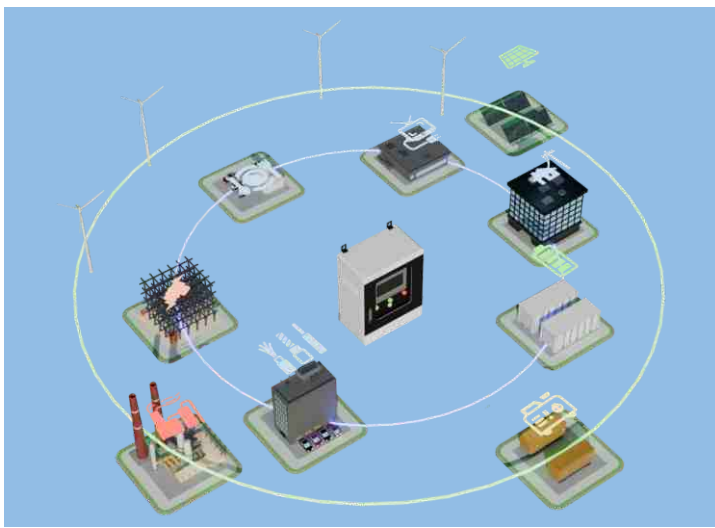
Headquarters and Microgrid Lab
Guangzhou Renepoly Energy Technology Co., Ltd.

Manufacturing Base
Jiangsu Renepoly Energy Technology Co., Ltd.

Renepoly Hong Kong
Renepoly Technology Co., Ltd.

Renepoly Europe
Renepoly Technology GmbH.

Renepoly Shenzhen, China
Shenzhen Renepoly Technology Co., Ltd



Products & Services

01 Microgrid Services

- Turnkey Solutions Services
- EMS Customization Services
- Microgrid and Energy Storage Technical Services
- Microgrid and Energy Storage Aftersales Services

02 Smart Microgrid Solution

- Remote Area Off-grid Solutions
- EV Charging Station Solutions
- Industrial&Commerical Solutions
- Residential Community Solutions
- Power Substation Solutions
- Power Stations Solutions

03 Energy Management System

- Microgrid Controllers
- Controller Software
- Renepoly Cloud
- Renepoly App

04 Energy Storage Products

- BESS Cabinet
- BESS Container

Turnkey Solution Services



Analysis

Technoeconomic Feasibility study and financial analysis to ESS and microgrid projects (by Renepoly Simulation Software).



Proposal

Proposal with basic system design: Bess, renewable energy devices technical parameters, EMS working logics.



Engineering

Engineering Design of microgrid system by integrating standard BESS and EMS.



Manufacturing

Supply Chain quality control and quality assurance and testing of working logics before the shipment.



Construction

Onsite installation supervision and system testing and commissioning.



O & M

Operation and maintenance of BESS and microgrid projects.

EMS Customization Services



Service Scope:

- Data collection, monitoring, processing & analysis
- Operation control function
- Event alarm function & Graphic display
- Data forwarding function
- SOC maintenance control
- Smooth and stable control
- Planned operation mode
- On-grid and off-grid switching control
- Demand management control function
- System protection function
- Auxiliary black start function
- Demand analysis and prediction
- Solar generation prediction based on historical data and weather conditions
- Operation & working logics customization

Microgrid and Energy Storage Technical Services



Service Scope:

- Project Feasibility Study
- Technical and economic evaluation of projects
- Business and financial modelling
- Project Engineering Design
- EMS Logics Design
- Supply Chain QC and QA
- System factory testing and commissioning
- Project Management
- System Training
- Site testing and acceptance
- Product Warranty Service
- Technical Modifications
- Remote Operation and Maintenance Services
- Intelligent Monitoring Service

Microgrid and Energy Storage Aftersales Services



Service Figures:

Response Service:

Response within 4 hours, resolution within 24 hours.

On-Site Service:

Renepoly engineers will arrive on-site within 72-96 hours to resolve problems.

Global Operations and Maintenance Service:

- Performance Monitoring
- Fault Diagnosis and Repair
- Emergency Response
- Performance Optimization
- Data Analysis and Reporting
- Lifecycle Management

Microgrid System

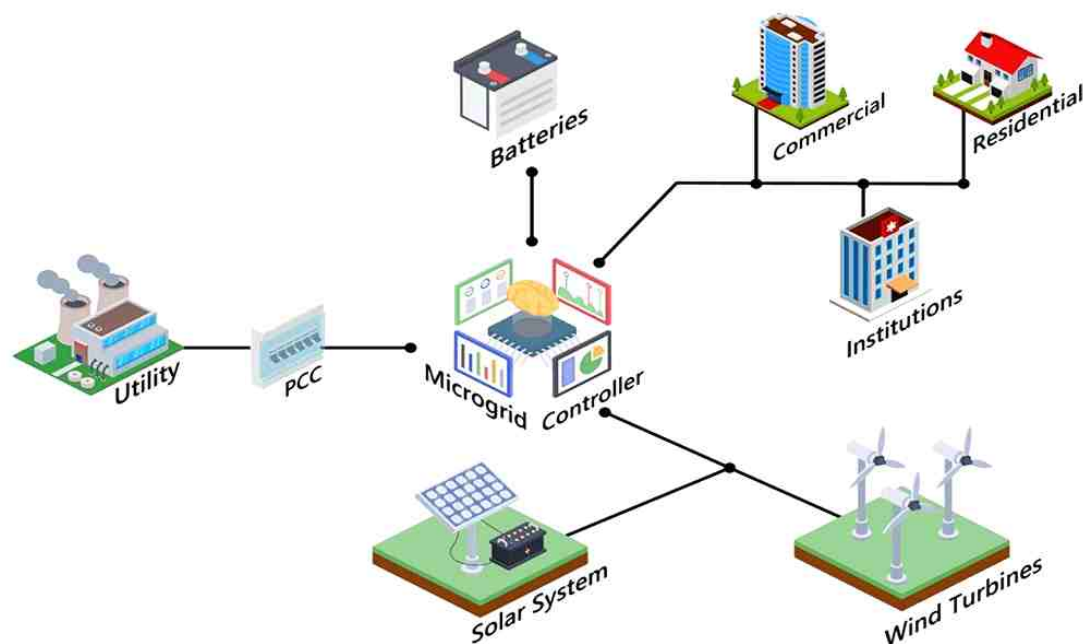
An integrated system including renewable energy generation system(solar /wind/biomass/etc.), BESS, control system (EMS) and Measuring system .

Fuctions of regulation of load shifting, peak shaving and voltage, frequency and power factor of the grid.

Intelligent management and automatic control of the whole system.

Key Components:

-  Solar System
-  Wind System
-  Generators
-  Energy Storage System
-  Microgrid Controller
-  Energy Management System



Microgrid Application

Key Functionalities:

Load Shifting/Arbitrage, Peak Shaving, Frequency/Voltage /Power Factor Regulation, Active Power/Reactive Power Regulation, Seamless Switching STS, Injection Protection, etc.



Remote Area Off-grid Solutions



EV Charging Station Solutions



Industrial & Commercial Facilities Solutions



Residential Community Solutions



Frequency Regulation Solutions

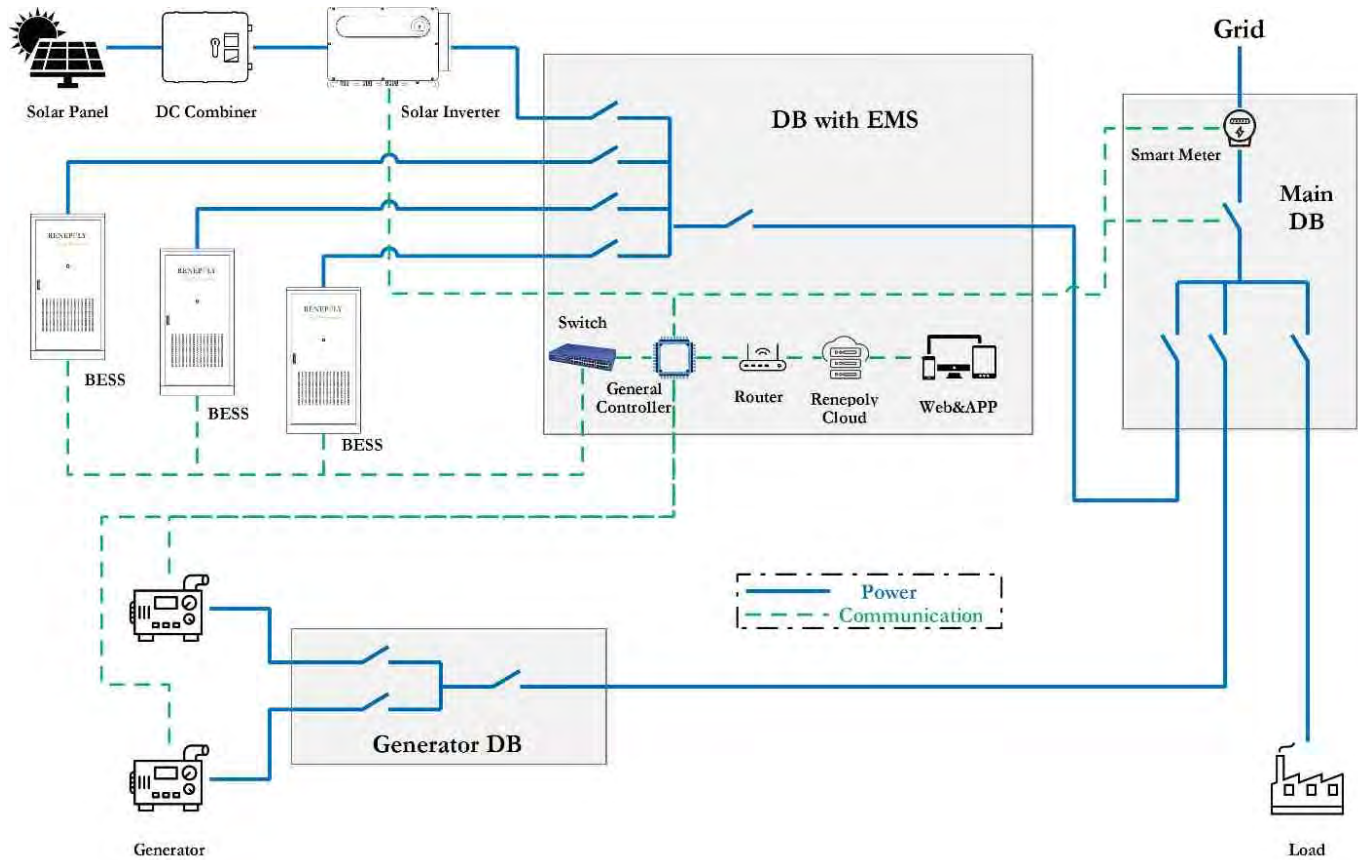


Power Station Solutions

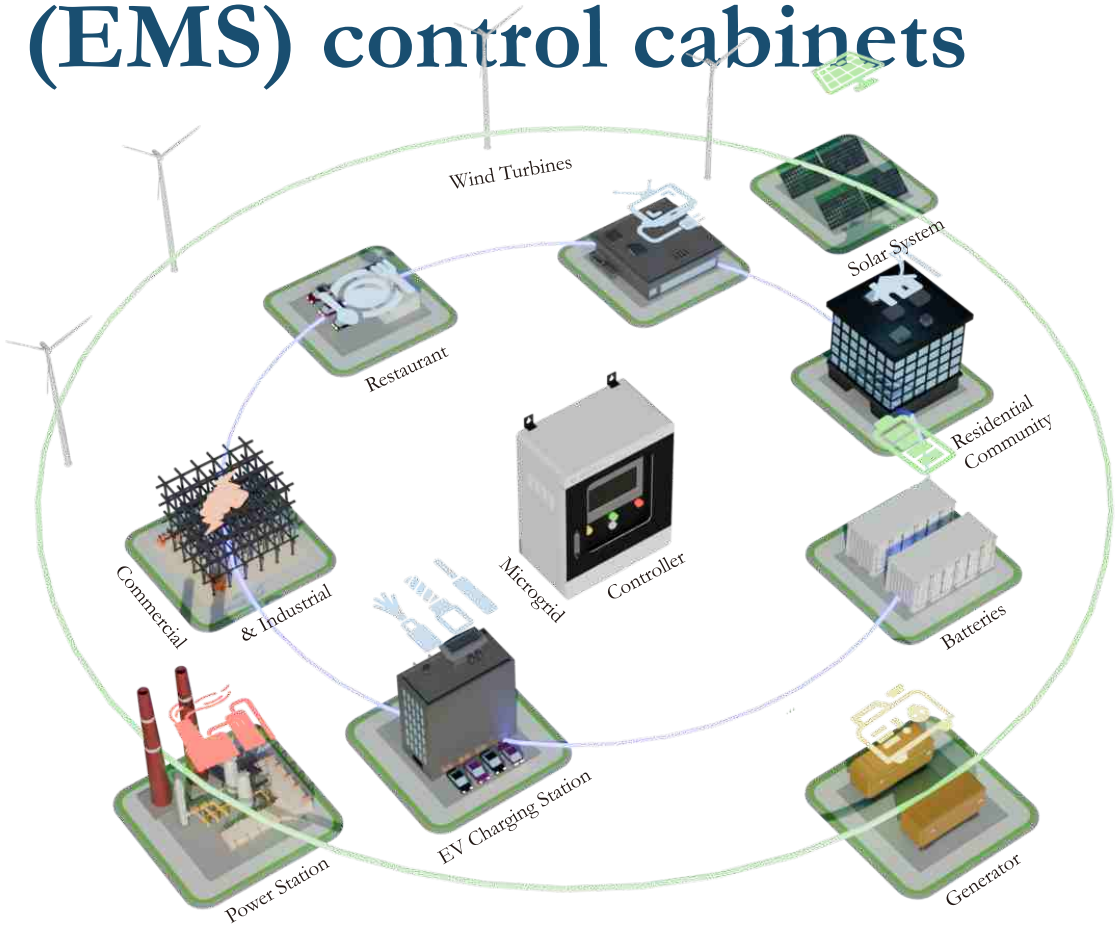
Microgrid System Functions

Key Functionalities:

- Load Shifting
- Peak Shaving
- Frequency Regulation
- Voltage Regulation
- Power Factor Regulation
- Active/Reactive Power Regulation
- Seamless Switching between
- Grid-tied and Off-grid
- Anti-reverse Control



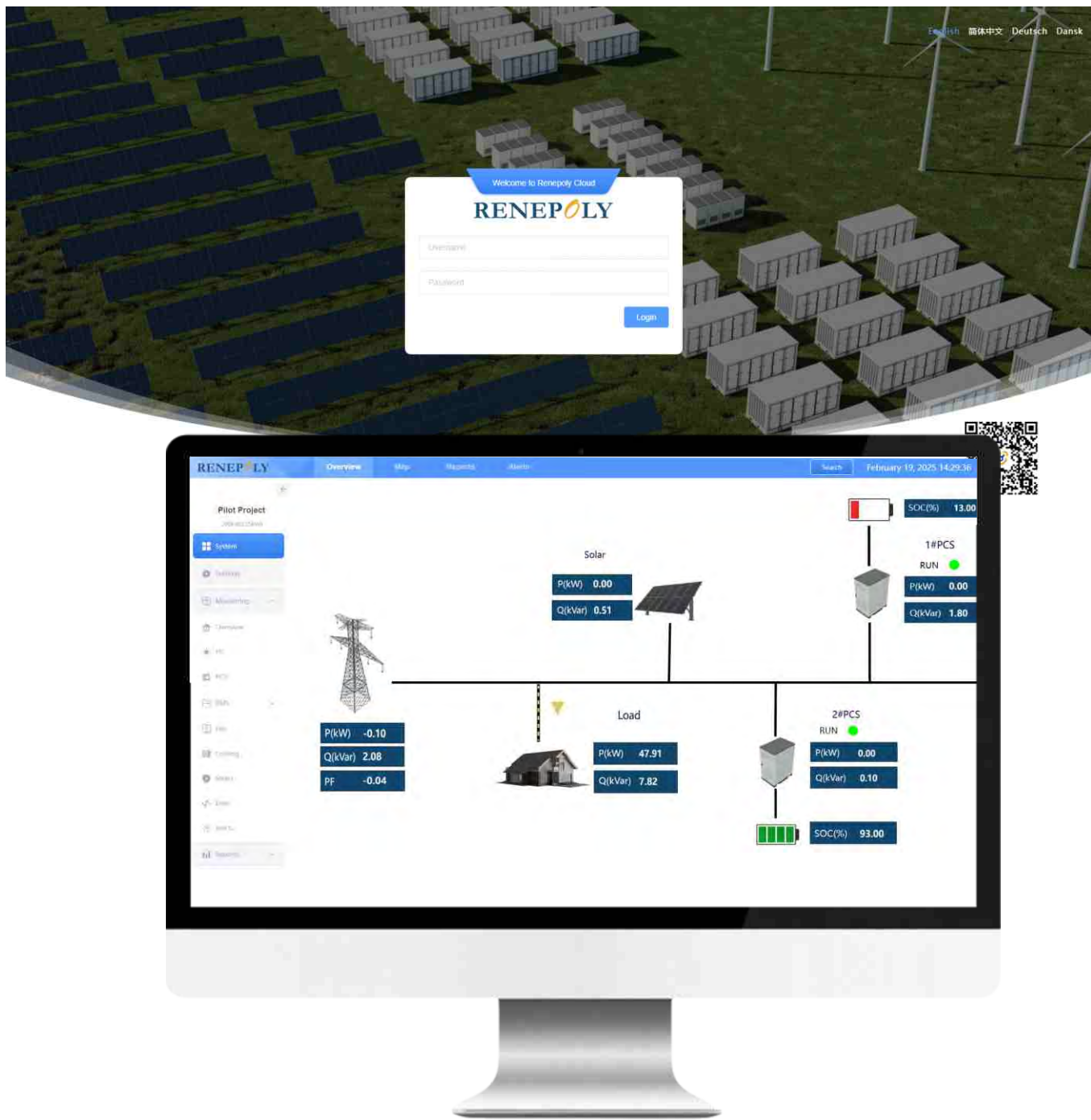
Energy Management System (EMS) control cabinets



- Local Screen
- Controller Software
- Renepoly Cloud
- Renepoly App

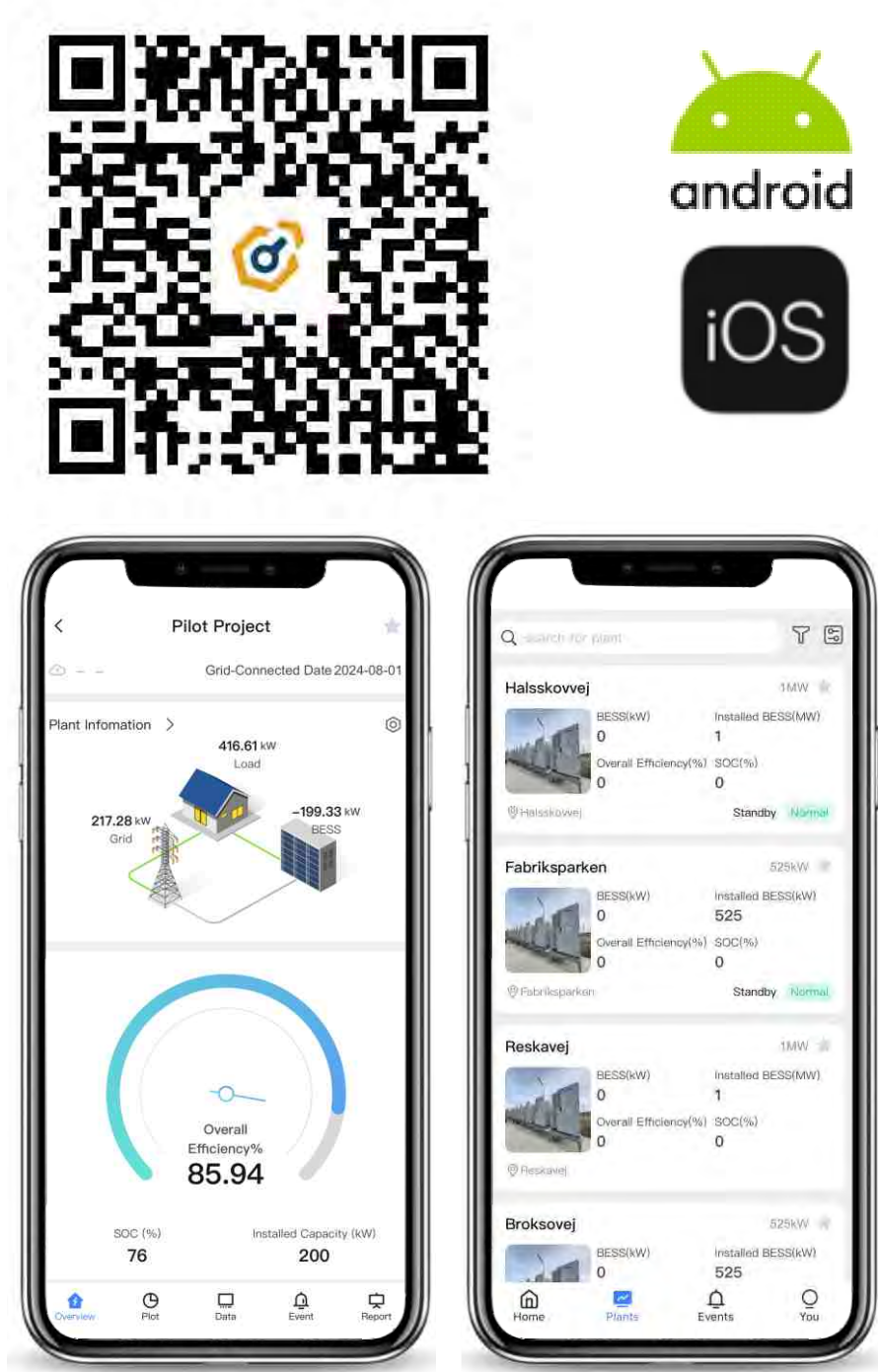
- ReneCloud is an energy management system and cloud platform developed specifically for microgrids.
- Its hardware includes EMS local controller, EMS local display and control terminal, and 4G router device.
- Its software includes microgrid management program deployed locally on EMS local controller, EMS cloud platform deployed on remote server, and mobile APP.
- The full set of Renepoly EMS products ensures the normal operation of microgrid system and meets the real-time monitoring of microgrid by operation and maintenance personnel anytime and anywhere.

EMS Cloud Platform



Advanced monitoring and control via ReneCloud

EMS Mobile APP



Fast and flexible management via ReneApp

BESS MODULAR CABINET

EGS120 (50kW/120kWh)

- **Category:**
Liquid Cooling BESS Cabinet
- **Application:**
Remote Area, EV Station, Industrial & Commercial, Residential, Frequency Regulation, Power Station
- **Benefits:**
Enhanced Grid Reliability and Resilience, Cost Savings, Environmental Benefits, Energy Independence, Improved Power Quality, Scalability and Flexibility, Support for Electrification
- **Hardwares:**
Packs, BMS, HV Box, PCS, PDU, FFS, EMS Controller Set, Enclosed Cabinet
- **Software:** BMS, EMS
- **Cloud Platforms:** Renepoly Cloud



Technical Parameters	
AC Side (Grid Tied Scenario)	
AC Output Power	50kW
Max. AC Current	72.2A
Nominal AC Voltage / Range	3/N/PE, 220 V / 380 V, 230 V / 400 V
Nominal Grid Frequency/Range	50Hz/60Hz
Harmonic(THD)	<3% (at Nominal Power)
Power Factor at Nominal Power	>0.99(-0.8 ~ 0.8)
Cooling Concept of PCS Chamber	Air Cooling
Seamless Switching from Grid to BESS In Case of Power Outage	Optional
AC Side (Microgrid Scenairo)	
Nominal AC Voltage	3/N/PE, 220 V / 380 V, 230 V / 400 V
Harmonic (THD)	< 2% (Resistance Load)
Nominal Frequency/Range	50Hz/60Hz
Max. AC Power	55kW
PV Side	
Solar PV MPPT	100kW
Solar PV Max. DC Voltage	1000V
Solar PV Norminal DC Voltage	600V
MPPT Voltage Range	150-850V
Max. Input Current	4x40A
Max. Input Short-circuit Current	4x60A
MPPT No.	4/8
Generator Side	
Max. Input Power	50kW
Norminal Input Current	72.2A
Norminal Input Voltage	3/N/PE, 220 V / 380 V, 230 V / 400 V
Nominal Frequency/Range	50Hz/60Hz
Battery Side	
Nominal Battery Voltage	384VDC
Battery Type	LiFePO4 3.2V/314Ah
Battery Pack Configuration	1P40S/40.192kWh
Battery System Configuration	1P120S
Capacity	120.576kWh
Battery Voltage Range	336-432VDC
Max Charging/Discharging Current	157A
Battery Disconnect	Integrated
Cooling concept of battery chamber	Liquid Cooling
General Parameters	
Dimension W*D*H	1350*1415*1700mm
Charge/Discharge Rate	0.5C
Depth of Discharge	80%
Life Cycle	6000 @80% SOH/25℃/0.5P
Degree of Protection	IP55
System Efficiency	~90% (Without Auxiliary Equipment Energy Consumption)
Fire Protection System	Aerosol
Allowed Ambient Temperature	-20 ~ 55 ℃
Allowed Relative Humidity	0 ~ 95%
Working Altitude	<2000m
Enclosure Corrosion Resistance Level	C3 (C4/C5 Optional)
Weight	~1500kg
SPD	DC TYPE II / AC TYPE II
Lifting Options	Fork/Crane
Scalability	Yes, Units Can Be Connected In Parallel
Monitoring	
Display	7 Inches Touchscreen
Communication	RS485/Ethernet
Communication Protocols	MODBUS-RTU/MODBUS-TCP
Remote Control System	Renepoly Cloud
Certifications	
Battery Cell	CE, RoHS, UN38.3, MSDS, UL, ESG
Battery Pack	CE, UN38.3, MSDS
Battery Rack	CE, UN38.3, MSDS
Power Conversion System	
G99, VDE-AR-N 4105/VDE V 0124, EN 50549-1/EN 50549-10, VDE 0126/UTE C 15/VFR:2019, NTS 631/RD 1699/RD 244/UNE 206006/UNE 206007-1, CEI 0-21, C10/11, NRS 097-2-1, TOR, EIFS 2018.2, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530, MEA, PEA,PORTARIA N° 140, DE 21 DE MARÇO DE 2022, IEC/EN 62109-1/-2, IEC/EN 61000-6-2/-4, EN 55011	
Whole Unit	CE, UN38.3, MSDS

BESS MODULAR CABINET

EGS215 (100kW/215kWh)

- **Category:**
Liquid Cooling BESS Cabinet
- **Application:**
Remote Area, EV Station, Industrial & Commercial, Residential, Frequency Regulation, Power Station
- **Benefits:**
Enhanced Grid Reliability and Resilience, Cost Savings, Environmental Benefits, Energy Independence, Improved Power Quality, Scalability and Flexibility, Support for Electrification
- **Hardwares:**
Packs, BMS, HV Box, PCS, PDU, FFS, EMS Controller Set, Enclosed Cabinet
- **Software:** BMS, EMS
- **Cloud Platforms:** Renepoly Cloud



Technical Parameters	
AC Side (Grid Tied Scenario)	
AC Output Power	100kW @ 45°C
Max. AC Current	167A
Nominal AC Voltage / Range	400V/230V (-10% ~ 15%)
Nominal Grid Frequency/Range	50Hz/60Hz
Harmonic(THD)	<3% (at Nominal Power)
Power Factor at Nominal Power/Adjustable	-1 ~ 1
Cooling Concept of PCS Chamber	Air Cooling
Seamless Switching from Grid to BESS In Case of Power Outage	Optional
AC Side (Microgrid Scenairo)	
Nominal AC Voltage	400V/230V
Harmonic (THD)	< 2% (Resistance Load)
Nominal Frequency/Range	50Hz/45Hz ~ 55Hz 60Hz/55Hz ~ 65Hz
Max. AC Power	115kW
Batteries	
Nominal Battery Voltage	768VDC
Battery Type	LiFePO4 3.2V/280Ah
Battery Pack Configuration	1P60S/53.76kWh
Battery System Configuration	1P240S
Capacity	215.04kWh
Battery Voltage Range	672-864VDC
Max Charging/Discharging Current	140A
Battery Disconnect	Integrated
Cooling concept of battery chamber	Liquid Cooling
General Parameters	
Dimension W*D*H	1050*1600*2050mm
Charge/Discharge Rate	0.5C
Depth of Discharge	95%
Life Cycle	6000
Degree of Protection	IP55
System Efficiency	~91% (Without Auxiliary Equipment Energy Consumption)
Cooling Liquid	50% Ethylene glycol+50% Water
Fire Protection System	Aerosol
Allowed Ambient Temperature	-30 ~ 60°C (>45°C Derating)
Allowed Relative Humidity	0 ~ 95%
Working Altitude	<2000m
Enclosure Corrosion Resistance Level	C4 (C5 Optional)
Weight	~2500kg
SPD	DC TYPE II / AC TYPE II
Lifting Options	Fork/Crane
Scalability	Yes, Units Can Be Connected In Parallel
Monitoring	
Display	7 Inches Touchscreen
Communication	RS485/Ethernet
Communication Protocols	MODBUS-RTU/MODBUS-TCP
Remote Control System	Renepoly Cloud
Certifications	
Battery Cell	CE, RoHS, UN38.3, MSDS, UL, ESG
Battery Pack	CE, UN38.3, MSDS
Battery Rack	CE, UN38.3, MSDS
Power Conversion System	CE (IEC61000 IEC62619 IEC62109) EN50549-1,EN50549-2, IEC61727&62116, NRS097, VDE4105, VDE4110, VDE4120, C10/11, G99, PN50549, EIFS2018:02, CEI021/16, NTS632:2019,MEA,PEA,UNE,RD EN 50549 with deviations of grid protection settings for Greece&Sweden&Denmark(DK&DK2)&Netherland&Czech&Hungary&Romania
Whole Unit	CE, UN38.3, MSDS

BESS MODULAR CABINET

EGS257 (125kW /257kWh)

- **Category:**
Liquid Cooling BESS Cabinet
- **Application:**
Remote Area, EV Station, Industrial & Commercial, Residential, Frequency Regulation, Power Station
- **Benefits:**
Enhanced Grid Reliability and Resilience, Cost Savings, Environmental Benefits, Energy Independence, Improved Power Quality, Scalability and Flexibility, Support for Electrification
- **Hardwares:**
Packs, BMS, HV Box, PCS, PDU, FFS, EMS Controller Set, Enclosed Cabinet
- **Software:** BMS, EMS
- **Cloud Platforms:** Renepoly Cloud



Technical Parameters	US version	European version
AC Side (Grid Tied Scenario)		
Nominal AC Voltage / Range	277/480 V	230V/400V
Nominal Grid Frequency/Range	60Hz	50/60Hz
AC Output Power	125kW @ 45°C	
Harmonic(THD)	<3% (at Nominal Power)	
Power Factor at Nominal Power/Adjustable	-1 ~ 1	
Cooling Concept of PCS Chamber	Air Cooling	
Seamless Switching from Grid to BESS In Case of Power Outage	Optional	
AC Side (Microgrid Scenairo)		
Nominal AC Voltage	277/480 V	230V/400V
Nominal Frequency/Range	60Hz/55Hz ~ 65Hz	50/60Hz
Max. AC Power	135kW	137.5kW
Harmonic (THD)	< 2% (Resistance Load)	
Batteries		
Nominal Battery Voltage	819.2VDC	
Battery Type	LiFePO4 3.2V/314Ah	
Battery Pack Configuration	1P64S/64.3024kWh	
Battery System Configuration	1P256S	
Capacity	257.2288kWh	
Battery Voltage Range	716.8-921.6VDC	
Max Output Power	135kw	
Battery Disconnect	Integrated	
Cooling concept of battery chamber	Liquid Cooling	
General Parameters		
Dimension W*D*H	1050*1600*2050mm	
Charge/Discharge Rate	0.5C	
Depth of Discharge	95%	
Life Cycle	6000	
Degree of Protection	IP55	
System Efficiency	~91% (Without Auxiliary Equipment Energy Consumption)	
Cooling Liquid	50% Ethylene glycol+50% Water	
Fire Protection System	Aerosol	
Allowed Ambient Temperature	-30 ~ 60℃ (>45℃ Derating)	
Allowed Relative Humidity	0 ~ 95%	
Working Altitude	<2000m	
Enclosure Corrosion Resistance Level	C3 (C4/C5 Optional)	
Weight	~3200kg	
SPD	DC TYPE II / AC TYPE II	
Lifting Options	Fork/Crane	
Scalability	Yes, Units Can Be Connected In Parallel	
Monitoring		
Display	7 Inches Touchscreen	
Communication	RS485/Ethernet	
Communication Protocols	MODBUS-RTU/MODBUS-TCP	
Remote Control System	Renepoly Cloud	
Certifications		
Battery Cell	CE, RoHS, UN38.3, MSDS, UL, ESG	
Battery Pack	CE, UL, UN38.3, MSDS	
Battery Rack	CE, UL, UN38.3, MSDS	
Power Conversion System	IEEE 1547, UL 1741 SB	
Whole Unit	CE, UN38.3, MSDS, UL 9540, UL 9540A, UL1973, FCC PART 15 B, UL 60730, IEEE 1547, UL 1741 SB	

BESS MODULAR CABINET

ES215 (215kWh)

- **Category:**
Liquid Cooling BESS Cabinet
- **Application:**
Remote Area, EV Station, Industrial & Commercial, Residential, Frequency Regulation, Power Station
- **Benefits:**
Enhanced Grid Reliability and Resilience, Cost Savings, Environmental Benefits, Energy Independence, Improved Power Quality, Scalability and Flexibility, Support for Electrification
- **Hardwares:**
Packs, BMS, HV Box, PDU, FFS, EMS Controller Set, Enclosed Cabinet
- **Software:** BMS, EMS
- **Cloud Platforms:** Renepoly Cloud



Technical Parameters	
Batteries	
Nominal Battery Voltage	768VDC
Battery Type	LiFePO4 3.2V/280Ah
Battery Pack Configuration	1P60S/53.76kWh
Battery System Configuration	1P240S
Capacity	215.04kWh
Battery Voltage Range	672-864VDC
Max Charging/Discharging Current	140A
Battery Disconnect	Integrated
Cooling concept of battery chamber	Liquid Cooling
General Parameters	
Dimension W*D*H	1050*1600*2050mm
Charge/Discharge Rate	0.5C
Depth of Discharge	95%
Life Cycle	6000
Degree of Protection	IP55
System Efficiency	~91% (Without Auxiliary Equipment Energy Consumption)
Cooling Liquid	50% Ethylene glycol+50% Water
Fire Protection System	Aerosol
Allowed Ambient Temperature	-30 ~ 60℃ (>45℃ Derating)
Allowed Relative Humidity	0 ~ 95%
Working Altitude	<2000m
Enclosure Corrosion Resistance Level	C4 (C5 Optional)
Weight	~2500kg
SPD	DC TYPE II/AC TYPE II
Lifting Options	Fork/Crane
Scalability	Yes, Units Can Be Connected In Parallel
Monitoring	
Display	7 Inches Touchscreen
Communication	RS485/Ethernet
Communication Protocols	MODBUS-RTU/MODBUS-TCP
Remote Control System	Renepoly Cloud
Certifications	
Battery Cell	CE, RoHS, UN38.3, MSDS, UL, ESG
Battery Pack	CE, UN38.3, MSDS
Battery Rack	CE, UN38.3, MSDS
Power Conversion System	CE (IEC61000 IEC62619 IEC62109) EN50549-1,EN50549-2, IEC61727&62116, NRS097, VDE4105, VDE4110, VDE4120, C10/11, G99, PN50549, EIFS2018:02, CEI021/16, NTS632:2019, MEA,PEA,UNE,RD EN 50549 with deviations of grid protection settings for Greece&Sweden&Denmark(DK&DK2)&Netherland&Czech&Hungary&Romania
Whole Unit	CE, UN38.3, MSDS

BESS MODULAR CABINET

ES237 (237.12kWh)

- **Category:**
Liquid Cooling BESS Cabinet
- **Application:**
Remote Area, EV Station, Industrial & Commercial, Residential, Frequency Regulation, Power Station
- **Benefits:**
Enhanced Grid Reliability and Resilience, Cost Savings, Environmental Benefits, Energy Independence, Improved Power Quality, Scalability and Flexibility, Support for Electrification
- **Hardware:**
Packs, BMS, HV Box, PDU, FFS, EMS Controller Set, Enclosed Cabinet
- **Software:** BMS, EMS
- **Cloud Platforms:** Renepoly Cloud

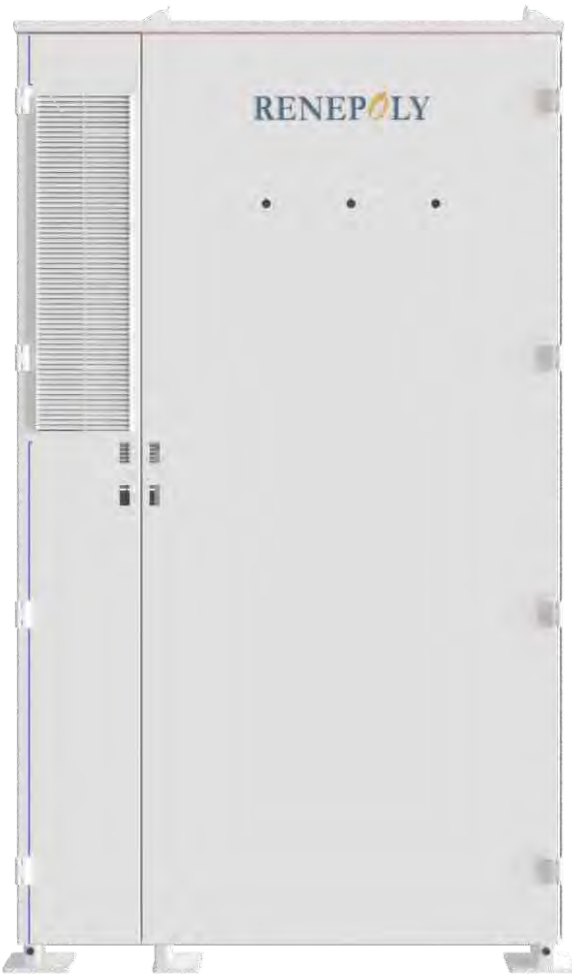


Technical Parameters	
Batteries	
Nominal Battery Voltage	832VDC
Battery Type	LiFePO4 3.2V/285Ah
Battery Pack Configuration	1P52S/47.424kWh
Battery System Configuration	1P260S
Capacity	237.12kWh
Battery Voltage Range	728-936VDC
Max Charging/Discharging Current	140A/285A
Battery Disconnect	Integrated
Cooling concept of battery chamber	Liquid Cooling
General Parameters	
Dimension W*D*H	980*1300*2350mm
Charge/Discharge Rate	0.5C/1C
Depth of Discharge	95%
Life Cycle	4000-6000
Degree of Protection	IP54
System Efficiency	~91% (Without Auxiliary Equipment Energy Consumption)
Cooling Liquid	50% Ethylene glycol+50% Water
Fire Protection System	Aerosol
Allowed Ambient Temperature	-30 ~ 60°C (>45°C Derating)
Allowed Relative Humidity	0 ~ 95%
Working Altitude	<2000m
Enclosure Corrosion Resistance Level	C4
Weight	~2600kg
SPD	DC TYPEII/AC TYPEII
Lifting Options	Fork/Crane
Scalability	Yes, Units Can Be Connected In Parallel
Monitoring	
Display	7 Inches Touchscreen
Communication	RS485/Ethernet
Communication Protocols	MODBUS-RTU/MODBUS-TCP
Remote Control System	Renepoly Cloud
Certifications	
Battery Cell	CE, RoHS, UN38.3, MSDS, UL, ESG
Battery Pack	CE, UN38.3, MSDS, UL
Battery Rack	CE, UN38.3, MSDS, UL
Whole Unit	CE, UN38.3, MSDS, UL

BESS MODULAR CABINET

ES379 (379kWh)

- **Category:**
Liquid Cooling BESS Cabinet
- **Application:**
Remote Area, EV Station, Industrial & Commercial, Residential, Frequency Regulation, Power Station
- **Benefits:**
Enhanced Grid Reliability and Resilience, Cost Savings, Environmental Benefits, Energy Independence, Improved Power Quality, Scalability and Flexibility, Support for Electrification
- **Hardware:**
Packs, BMS, HV Box, PDU, FFS, EMS Controller Set, Enclosed Cabinet
- **Software:** BMS, EMS
- **Cloud Platforms:** Renepoly Cloud



Technical Parameters	
Batteries	
Nominal Battery Voltage	1331.2VDC
Battery Type	LiFePO4 3.2V/285Ah
Battery Pack Configuration	1P52S/47.424kWh
Battery System Configuration	1P416S
Capacity	379.392kWh
Battery Voltage Range	1164.8-1497.6VDC
Max Charging/Discharging Current	140A/280A
Battery Disconnect	Integrated
Cooling concept of battery chamber	Liquid Cooling
General Parameters	
Dimension W*D*H	1300*1300*2280mm
Charge/Discharge Rate	0.5C/1C
Depth of Discharge	95%
Life Cycle	4000
Degree of Protection	IP54
System Efficiency	~91% (Without Auxiliary Equipment Energy Consumption)
Cooling Liquid	50% Ethylene glycol+50% Water
Fire Protection System	Aerosol
Allowed Ambient Temperature	-30 ~ 60℃ (>45℃ Derating)
Allowed Relative Humidity	0 ~ 95%
Working Altitude	<2000m
Enclosure Corrosion Resistance Level	C5
Weight	~3700kg
SPD	DC TYPEII/AC TYPEII
Lifting Options	Fork/Crane
Scalability	Yes, Units Can Be Connected In Parallel
Monitoring	
Display	7 Inches Touchscreen
Communication	RS485/Ethernet
Communication Protocols	MODBUS-RTU/MODBUS-TCP
Remote Control System	Renepoly Cloud
Certifications	
Battery Cell	CE, RoHS, UN38.3, MSDS, UL, ESG
Battery Pack	CE, UN38.3, MSDS, UL
Battery Rack	CE, UN38.3, MSDS, UL
Whole Unit	CE, UN38.3, MSDS, UL

BESS CONTAINER

ES1075 (500kW/1075kWh)

- **Category:**
Air Cooling BESS Container
- **Application:**
Remote Area, EV Station, Industrial & Commercial, Residential, Frequency Regulation, Power Station
- **Benefits:**
Enhanced Grid Reliability and Resilience, Cost Savings, Environmental Benefits, Energy Independence, Improved Power Quality, Scalability and Flexibility, Support for Electrification
- **Hardware:**
Packs, BMS, HV Box, PCS, PDU, FFS, EMS Controller Set, Enclosed Cabinet
- **Software:** BMS, EMS
- **Cloud Platforms:** Renepoly Cloud



Technical Parameters	
AC Side (Grid Tied Scenario)	
AC Output Power	500kW
Max. AC Current	800A
Nominal AC Voltage / Range	400V/230V (-10% ~ 15%)
Nominal Grid Frequency/Range	50Hz/60Hz
Harmonic(THD)	<3% (at Nominal Power)
Power Factor at Nominal Power/ Adjustable	-1 ~ 1
Cooling Concept of PCS Chamber	Air Cooling
Seamless Switching from Grid to BESS In Case of Power Outage	Optional
AC Side (Microgrid Scenairo)	
Nominal AC Voltage	400V/230V
Harmonic (THD)	< 2% (Resistance Load)
Nominal Frequency/Range	50Hz/45Hz ~ 55Hz 60Hz/55Hz ~ 65Hz
Max. AC Power	550kW
Batteries	
Nominal Battery Voltage	768VDC
Battery Type	LiFePO4 3.2V/280Ah
Battery Pack Configuration	1P20S/17.92kWh
Battery System Configuration	5P240S
Capacity	1075.2kWh
Battery Voltage Range	672-864VDC
Max Charging/Discharging Current	700A
Battery Disconnect	Integrated
Cooling concept of battery chamber	Air Cooling
General Parameters	
Dimension W*D*H	6058*2438*2591mm
Charge/Discharge Rate	0.5C
Depth of Discharge	80%
Life Cycle	6000
Degree of Protection	IP54
System Efficiency	~90% (Without Auxiliary Equipment Energy Consumption)
Fire Protection System	Aerosol
Allowed Ambient Temperature	-30 ~ 60℃ (>45℃ Derating)
Allowed Relative Humidity	0 ~ 95%
Working Altitude	<2000m
Enclosure Corrosion Resistance Level	C3 (C4/C5 Optional)
Weight	~16000kg
SPD	DC TYPEII / AC TYPEII
Lifting Options	Crane
Scalability	Yes, Units Can Be Connected In Parallel
Monitoring	
Display	7 Inches Touchscreen
Communication	RS485/Ethernet
Communication Protocols	MODBUS-RTU/MODBUS-TCP
Remote Control System	Renepoly Cloud
Certifications	
Battery Cell	CE, RoHS, UN38.3, MSDS, UL, ESG
Battery Pack	CE, UN38.3, MSDS
Battery Rack	CE, UN38.3, MSDS
Power Conversion System	CE (IEC61000 IEC62619 IEC62109) EN50549-1,EN50549-2, IEC61727&62116, NRS097, VDE4105, VDE4110, VDE4120, C10/11, G99, PN50549, EIFS2018:02, CEI021/16, NTS632:2019, MEA,PEA,UNE,RD EN 50549 with deviations of grid protection settings for Greece&Sweden&Denmark(DK&DK2)&Netherland&Czech&Hungary&Romania

BESS CONTAINER

ES2150 / ES2508-1

- **Category:**
Liquid Cooling BESS Container
- **Application:**
Remote Area, EV Station, Industrial & Commercial, Residential, Frequency Regulation, Power Station
- **Benefits:**
Enhanced Grid Reliability and Resilience, Cost Savings, Environmental Benefits, Energy Independence, Improved Power Quality, Scalability and Flexibility, Support for Electrification
- **Hardwares:**
Packs, BMS, HV Box, PCS, PDU, FFS, EMS Controller Set, Enclosed Cabinet
- **Software:** BMS, EMS
- **Cloud Platforms:** Renepoly Cloud



Technical Parameters	ES2150	ES2508-1
AC Side (Grid Tied Scenario)		
AC Output Power	1000kW	1250kW
Max. AC Current	1600A	1270A
Nominal AC Voltage / Range	400V/230V (-10% ~ 15%)	550V
Nominal Grid Frequency/Range	50Hz/ 60Hz	
Harmonic(THD)	<3% (at Nominal Power)	
Power Factor at Nominal Power/ Adjustable	-1 ~ 1	
Cooling Concept of PCS Chamber	Air Cooling	
Seamless Switching from Grid to BESS In Case of Power Outage	Optional	
AC Side (Microgrid Scenairo)		
Nominal AC Voltage	400V/230V	550V
Harmonic (THD)	< 2% (Resistance Load)	
Nominal Frequency/Range	50Hz/45Hz ~ 55Hz 60Hz/55Hz ~ 65Hz	
Max. AC Power	1100kW	200% 1s、 150% 60s@ Duty Cycle 300s
Batteries		
Nominal Battery Voltage	768VDC	998.4VDC
Battery Type	LiFePO4 3.2V/280Ah	LiFePO4 3.2V/314Ah
Battery Pack Configuration	1P48S/43.008kWh	1P104S/104.4992kWh
Battery System Configuration	10P240S	8P312S
Capacity	2150.4kWh	2507.9808kWh
Battery Voltage Range	672-864VDC	873.6-1123.2VDC
Max Charging/Discharging Current	1400A	1256A
Battery Disconnect	Integrated	
Cooling concept of battery chamber	Liquid Cooling	
General Parameters		
Dimension W*D*H	6058*2438*2591mm	
Charge/Discharge Rate	0.5C	
Depth of Discharge	95%	
Life Cycle	6000	
Degree of Protection	IP54	
System Efficiency	~90%(Without Auxiliary Equipment Energy Consumption)	
Fire Protection System	Aerosol	
Allowed Ambient Temperature	-30 ~ 60℃ (>45℃ Derating)	
Allowed Relative Humidity	0 ~ 95%	
Working Altitude	<2000m	
Enclosure Corrosion Resistance Level	C3 (C4/C5 Optional)	
Weight	~25000kg	~30000kg
SPD	DC TYPEII / AC TYPEII	
Lifting Options	Crane	
Scalability	Yes, Units Can Be Connected In Parallel	
Monitoring		
Display	7 Inches Touchscreen	
Communication	RS485/Ethernet	
Communication Protocols	MODBUS-RTU/MODBUS-TCP	
Remote Control System	Renepoly Cloud	
Certifications		
Battery Cell	CE, RoHS, UN38.3, MSDS, UL, ESG	
Battery Pack	CE, UN38.3, MSDS	
Battery Rack	CE, UN38.3, MSDS	
Power Conversion System	CE (IEC61000 IEC62619 IEC62109) EN50549-1, EN50549-2, IEC61727&62116, NRS097, VDE4105, VDE4110, VDE4120, C10/11, G99, PN50549, EIFS2018:02, CEI021/16, NTS632:2019, MEA,PEA, UNE,RD EN 50549 with deviations of grid protection settings for Greece&Sweden&Denmark(DK&DK2) &Netherland&Czech&Hungary&Romania	UI1741, IEEE 1547

BESS CONTAINER

ES2090 / ES2508-2 / ES2926/ES3344

- **Category:**
Liquid Cooling BESS Container
- **Application:**
Remote Area, EV Station, Industrial & Commercial, Residential, Frequency Regulation, Power Station
- **Benefits:**
Enhanced Grid Reliability and Resilience, Cost Savings, Environmental Benefits, Energy Independence, Improved Power Quality, Scalability and Flexibility, Support for Electrification
- **Hardware:**
Packs, BMS, HV Box, PDU, FFS, EMS Controller Set, Enclosed Cabinet
- **Software:** BMS, EMS
- **Cloud Platforms:** Renepoly Cloud



Technical Parameters	ES2090	ES2508-2	ES2926	ES3344
Batteries				
Nominal Battery Voltage	1331.2VDC			
Battery Type	LiFePO4 3.2V/314Ah			
Battery Pack Configuration	1P104S/104.4992kWh			
Battery System Configuration	5P416S	6P416S	7P416S	8P416S
Capacity	2089.984kWh	2507.9808kWh	2925.9776kWh	3343.9744kWh
Max Charging/Discharging Current	785A(0.5C)	942A(0.5C)	1099A(0.5C)	1256A(0.5C)
Battery Voltage Range	1164.8~1497.6VDC			
Battery Disconnect	Integrated			
Cooling concept of battery chamber	Liquid Cooling			
General Parameters				
Dimension W*D*H	6058*2438*2896mm			
Charge/Discharge Rate	0.5C			
Depth of Discharge	95%			
Life Cycle	6000			
Degree of Protection	IP55			
System Efficiency	~91% (Without Auxiliary Equipment Energy Consumption)			
Cooling Liquid	50% Ethylene glycol+50% Water			
Fire Protection System	Aerosol			
Allowed Ambient Temperature	-30 ~ 60℃ (>45℃ Derating)			
Allowed Relative Humidity	0 ~ 95%			
Working Altitude	<2000m			
Enclosure Corrosion Resistance Level				
Weight	~22Tons	~25 Tons	~28 Tons	~31 Tons
SPD	DC TYPEII /AC TYPEII			
Lifting Options	Crane			
Scalability	Yes, Units Can Be Connected In Parallel			
Monitoring				
Communication	RS485/Ethernet			
Communication Protocols	MODBUS-RTU/MODBUS-TCP			
Remote Control System	Renepoly Cloud			
Certifications				
Battery Cell	CE, RoHS, UN38.3, MSDS, UL, ESG			
Battery Pack	CE, UN38.3, MSDS			
Battery Rack	CE, UN38.3, MSDS			

BESS CONTAINER

ES3762 / ES4180 /ES4598/ES5016

- **Category:**
Liquid Cooling BESS Container
- **Application:**
Remote Area, EV Station, Industrial & Commercial, Residential, Frequency Regulation, Power Station
- **Benefits:**
Enhanced Grid Reliability and Resilience, Cost Savings, Environmental Benefits, Energy Independence, Improved Power Quality, Scalability and Flexibility, Support for Electrification
- **Hardware:**
Packs, BMS, HV Box, PDU, FFS, EMS Controller Set, Enclosed Cabinet
- **Software:** BMS, EMS
- **Cloud Platforms:** Renepoly Cloud



Technical Parameters	ES3762		ES4180	ES4598	ES5016
Batteries					
Nominal Battery Voltage	1331.2VDC				
Battery Type	LiFePO4 3.2V/314Ah				
Battery Pack Configuration	1P104S/104.4992kWh				
Battery System Configuration	9P416S	10P416S	11P416S	12P416S	
Capacity	3761.9712kWh	4179.968kWh	4597.9648kWh	5015.9616kWh	
Max Charging/Discharging Current	1413A(0.5C)	1570A(0.5C)	1727A(0.5C)	1884A(0.5C)	
Battery Voltage Range	1164.8~1497.6VDC				
Battery Disconnect	Integrated				
Cooling concept of battery chamber	Liquid Cooling				
General Parameters					
Dimension W*D*H	6058*2438*2896mm				
Charge/Discharge Rate	0.5C				
Depth of Discharge	95%				
Life Cycle	6000				
Degree of Protection	IP55				
System Efficiency	~91% (Without Auxiliary Equipment Energy Consumption)				
Cooling Liquid	50% Ethylene glycol+50% Water				
Fire Protection System	Aerosol				
Allowed Ambient Temperature	-30 ~ 60℃ (>45℃ Derating)				
Allowed Relative Humidity	0 ~ 95%				
Working Altitude	<2000m				
Enclosure Corrosion Resistance Level	C3 (C4/C5 Optional)				
Weight	~34 Tons	~37 Tons	~40Tons	~43 Tons	
SPD	DC TYPEII /AC TYPEII				
Lifting Options	Crane				
Scalability	Yes, Units Can Be Connected In Parallel				
Monitoring					
Communication	RS485/Ethernet				
Communication Protocols	MODBUS-RTU/MODBUS-TCP				
Remote Control System	Renepoly Cloud				
Certifications					
Battery Cell	CE, RoHS, UN38.3, MSDS, UL, ESG				
Battery Pack	CE, UN38.3, MSDS				
Battery Rack	CE, UN38.3, MSDS				

POWER CONVERSION SYSTEM

PCS210/315/420

- **Category:**
Air Cooling PCS Cabinet
- **Application:**
Remote Area, EV Station, Industrial & Commercial, Residential, Frequency Regulation, Power Station
- **Benefits:**
Enhanced Grid Reliability and Resilience, Cost Savings, Environmental Benefits, Energy Independence, Improved Power Quality, Scalability and Flexibility, Support for Electrification
- **Hardware:**
PCS, PDU, EMS Controller Set, Enclosed Cabinet
- **Software:** BMS, EMS
- **Cloud Platforms:** Renepoly Cloud



Technical Parameters	PCS210	PCS315	PCS420
DC Side			
Input DC Voltage Range	615 ~ 950V(3P3W) / 650 ~ 950V(3P4W)		
Max. DC Current	342A	513A	684A
DC Input Interfaces Number	1 or 2	1 or 3	1 or 4
AC Side (grid- tied)			
Rated Output Power	210kW	315kW	420kW
Maximum Output Power	231kW	347kW	462kW
Rated Current	303A	454A	606A
Rated Frequency	50Hz		
Rated Grid Voltage	400V		
Grid Voltage Range	320-460V		
Total Current Waveform Distortion Rate	<3%(Rated Power)		
Power Factor Range	-1~1		
AC Side (off-grid)			
Rated Voltage	400V		
Frequency	50Hz		
Voltage Range	±3%		
Voltage Precision	1%		
Voltage Distortion Rate	<3%		
General Parameters			
Dimension W*D*H	624*1150*2300mm		
Maximum Efficiency	98.2%		
Weight	~200kg	~300kg	~400kg
Isolation Transformer	N/A		N/A
Degree of Protection	IP54		
Allowed Ambient Temperature	-25 ~ 55℃		
Allowed Relative Humidity	0 ~ 95%		
Working Altitude	<2000m		
Enclosure Corrosion Resistance Level	C3 (C4/C5 Optional)		
Cooling Method	Air Cooling		
Lifting Options	Fork/Crane		
Scalability	Yes, Units Can Be Connected In Parallel		
Monitoring			
Communication	RS485/Ethernet		
Communication Protocols	MODBUS-RTU/MODBUS-TCP		
Remote Control System	Renepoly Cloud		
Certifications			
Power Conversion System	CE（ IEC61000 IEC62619 IEC62109） EN50549-1,EN50549-2, IEC61727&62116, NRS097, VDE4105, VDE4110, VDE4120, C10/11, G99, PN50549, EIFS2018:02, CEI021/16, NTS632:2019,MEA,PEA,UNE,RD EN 50549 with deviations of grid protection settings for Greece&Sweden&Denmark(DK&DK2)&Netherland&Czech&Hungary&Romania		
Whole Unit	CE		

BATTERY PACK

PACK14/PACK18

- **Category:**
Air Cooling Battery Pack
- **Application:**
Remote Area, EV Station, Industrial & Commercial, Residential, Frequency Regulation, Power Station
- **Benefits:**
Enhanced Grid Reliability and Resilience, Cost Savings, Environmental Benefits, Energy Independence, Improved Power Quality, Scalability and Flexibility, Support for Electrification
- **Hardware:**
Packs, BMS, HV Box, EMS Controller Set, Enclosed Cabinet
- **Software:** BMS, EMS
- **Cloud Platforms:** Renepoly Cloud



Technical Parameters	PACK14	PACK18
Batteries		
Nominal Battery Voltage	768VDC	
Battery Type	LiFePO4 3.2V/280Ah	
Battery Pack Configuration	1P/16S 14.336kWh	1P20S/17.92kWh
Battery Rack Configuration	1P240S	
Battery Rack Voltage Range	672-864VDC	
Charging/Discharging Current	140A	
Battery Disconnect	Integrated	
Cooling concept of battery Pack	Air Cooling	
General Parameters		
Dimension W*D*H	476*792*231mm	466*936*231mm
Battery Pack Weight	~114kg	~134kg
Charge/Discharge Rate	0.5C	
Depth of Discharge	80%	
Life Cycle	6000	
Degree of Protection	IP54	
System Efficiency	~90%	
Allowed Ambient Temperature	-30 ~ 60℃ (>45℃ Derating)	
Allowed Relative Humidity	0 ~ 95%	
Lifting Options	Fork	
Monitoring		
Communication	RS485/Ethernet	
Communication Protocols	MODBUS-RTU/MODBUS-TCP	
Remote Control System	Renepoly Cloud	
Certifications		
Battery Cell	CE, RoHS, UN38.3, MSDS, UL, ESG	
Battery Pack	CE, UN38.3, MSDS	
Battery Rack	CE, UN38.3, MSDS	

BATTERY PACK

PACK43/PACK47/PACK54

- **Category:**
Liquid Cooling Battery Pack
- **Application:**
Remote Area, EV Station, Industrial & Commercial, Residential, Frequency Regulation, Power Station
- **Benefits:**
Enhanced Grid Reliability and Resilience, Cost Savings, Environmental Benefits, Energy Independence, Improved Power Quality, Scalability and Flexibility, Support for Electrification
- **Hardware:**
Packs, BMS, HV Box, EMS Controller Set, Enclosed Cabinet
- **Software:** BMS, EMS
- **Cloud Platforms:** Renepoly Cloud



Technical Parameters	PACK43	PACK47	PACK54
Batteries			
Nominal Battery Voltage	832VDC	832VDC	768VDC
Battery Pack Configuration	1P48S/43.008kWh	1P52S/46.592kWh	1P60S/53.76kWh
Battery Rack Configuration	1P240S	1P260S	1P240S
Battery Rack Voltage Range	672-864VDC	728-936VDC	672-864VDC
Battery Type	LiFePO4 3.2V/280Ah		
Charging/Discharging Current	140A		
Battery Disconnect	Integrated		
Cooling concept of battery Pack	Liquid Cooling		
General Parameters			
Dimension W*D*H	810*1160*250mm	810*1160*250mm	790*1371*250 mm
Battery Pack Weight	~330kg	~350kg	~430kg
Charge/Discharge Rate	0.5C		
Depth of Discharge	95%		
Life Cycle	8000		
Degree of Protection	IP65		
System Efficiency	~91%		
Cooling Liquid	50% Ethylene glycol+50% Water		
Allowed Ambient Temperature	-30 ~ 60℃ (>45℃ Derating)		
Allowed Relative Humidity	0 ~ 95%		
Lifting Options	Fork		
Monitoring			
Communication	RS485/Ethernet		
Communication Protocols	MODBUS-RTU/MODBUS-TCP		
Remote Control System	Renepoly Cloud		
Certifications			
Battery Cell	CE, RoHS, UN38.3, MSDS, UL, ESG		
Battery Pack	CE, UN38.3, MSDS		
Battery Rack	CE, UN38.3, MSDS		

PROJECT CASES

Microgrid Projects



Project Start Time: 2023-11-11
Project Configuration:
200kW/465.92kWh BESS + EMS
+ Existing Solar System

BESS Capacity: **0.46592 MWh**
Saving of Energy: **6243.70 MWh**

Project Start Time: 2024-07-21
Project Configuration:
400kW/931.84kWh BESS + EMS +
600kW Solar System + STS

BESS Capacity: **0.931 MWh**
Saving of Energy: **6824.10 MWh**

Project Start Time: 2024-8-13
Project Configuration:
6300kW/6988.8kWh BESS + EMS

BESS Capacity: **7 MWh**
Saving of Energy: **47446.79 MWh**

Project Start Time: 2024-03-10
Project Configuration:
500kW/1036.8kWh BESS + EMS
+ Existing Solar System

BESS Capacity: **1.0 MWh**
Saving of Energy: **10537.90MWh**



Project Start Time: 2024-10-15
Project Configuration:
200kW/465.92kWh BESS + EMS +
Existing Solar System

BESS Capacity: **0.46 MWh**
Saving of Energy: **2422.32 MWh**

Project Start Time: 2024-12-01
Project Configuration:
1000kW/2150kWh BESS + EMS +
Existing Solar System

BESS Capacity: **2.0 MWh**
Saving of Energy: **8275.95 MWh**

Project Start Time: 2024-12-09
Project Configuration:
100kW/215kWh BESS + EMS
+ Existing Solar System

BESS Capacity: **215 kWh**
Saving of Energy: **1192.62 MWh**

Project Start Time: 2024-10-11
Project Configuration:
11.76MW/13.046MWh BESS + EMS

BESS Capacity: **13 MWh**
Saving of Energy: **69709.21MWh**

PROJECT CASES

Microgrid Projects



Project Start Time: 2024-05-13
Project Configuration:
3000kW/6450kWh BESS + EMS
+ Existing Solar System

BESS Capacity: **6.0 MWh**
Saving of Energy: **53917.15 MWh**

Project Start Time: 2024-11-04
Project Configuration:
100kW/215.04kWh BESS + EMS
+ Existing Solar System

BESS Capacity: **0.215 MWh**
Saving of Energy: **1029.05 MWh**

Project Start Time: 2024-01-19
Project Configuration:
30kW/60kWh BESS + EMS
+ Solar System + Wind Turbine

BESS Capacity: **0.06 MWh**
Saving of Energy: **796.82 MWh**

Project Start Time: 2023-12-01
Project Configuration:
100kW/215.04kWh BESS + EMS
+ Existing Solar System

BESS Capacity: **0.215 MWh**
Saving of Energy: **3108 MWh**



Project Start Time: 2024-12-01
Project Configuration:
100kW/215.04kWh BESS + EMS
+ Existing Solar System

BESS Capacity: **0.215 MWh**
Saving of Energy: **893.45 MWh**

Project Start Time: 2024-12-22
Project Configuration:
1MW Solar System

BESS Capacity: **1.0 MWh**
Saving of Energy: **3651.62MWh**

Project Start Time: 2024-04-14
Project Configuration:
30kW/60kWh BESS + EMS
+ Existing Solar System

BESS Capacity: **0.061 MWh**
Saving of Energy: **684.2 MWh**

Project Start Time: 2023-05-06
Project Configuration:
50kW/100kWh BESS + EMS + 460kW Solar System
+ 50kW Wind Turbine + 60kW EV Charger

BESS Capacity: **0.1 MWh**
Saving of Energy: **1795.60 MWh**

PROJECT CASES

Microgrid Projects



Project Start Time: 2024
Project Configuration:
100kW/215.04kWh BESS + EMS
+ Existing Solar System

BESS Capacity: **0.215 MWh**
Saving of Energy: **0.00 MWh**

Project Start Time: 2024-04-14
Project Configuration:
1600kW/3440.64kWh BESS + EMS
+ Existing Solar System

BESS Capacity: **3.44 MWh**
Saving of Energy: **33374.10 MWh**

Project Start Time: 2024-11-17
Project Configuration:
100kW/215.04kWh BESS + EMS + Existing
Solar System + Existing Diesel Generator

BESS Capacity: **0.215 MWh**
Saving of Energy: **1291.78 MWh**

Project Start Time: 2025
Project Configuration:
6000kW/12902.4kWh BESS + EMS

BESS Capacity: **12.9 MWh**
Saving of Energy: **0.00 MWh**



Project Start Time: 2025-01-02
Project Configuration:
100kW/215.04kWh BESS + EMS
+ Existing Solar System

BESS Capacity: **0.215 MWh**
Saving of Energy: **480.43 MWh**

Project Start Time: 2025
Project Configuration:
500kW/1075.2kWh BESS + EMS
+ Existing Solar System

BESS Capacity: **1.075 MWh**
Saving of Energy: **0.00MWh**



Renepoly Ensures Smooth 3.4GWh BESS Commissioning in the Philippines

As technical advisor for the 3.4GWh project, supplied by Huawei and facilitated by Guangdong Electric Power Design Institute (GEDI), we guaranteed on-schedule debugging and EMS optimization for Philippines' grid needs.

- Deep EMS Expertise
- Supplier Oversight
- Global Project Excellence

PROJECT CASES

EMS Projects



Project Start Time: 2025
Project Configuration:
Exsiting BESS + EMS + Existing
Solar System + Diesel Generator

BESS Capacity: **0.0 MWh**
Saving of Energy: **0.0 MWh**



Project Start Time: 2025-02-21
Project Configuration:
Exsiting BESS + EMS + Existing
Solar System + Diesel Generator

BESS Capacity: **0.43 MWh**
Saving of Energy: **1046.28 MWh**

BESS Projects



Project Start Time: 2022-12-01
Project Configuration:
20MWh Air Cooling BESS

BESS Capacity: **20 MWh**
Saving of Energy: **434105.79 MWh**



Project Start Time: 2024-01-03
Project Configuration:
60MWh Liquid Cooling BESS

BESS Capacity: **60 MWh**
Saving of Energy: **729220.58 MWh**



Project Start Time: 2022-12-05
Project Configuration:
103MWh Liquid Cooling BESS

BESS Capacity: **103 MWh**
Saving of Energy: **2225803.46 MWh**

PROJECT CASES

BESS Projects



Project Start Time: 2022-05-12
Project Configuration:
800MWh(120MWh) Air Cooling BESS

BESS Capacity: **800 MWh**
Saving of Energy: **21312975.83 MWh**



Project Start Time: 2022-12-08
Project Configuration:
80MWh Air Cooling BESS

BESS Capacity: **80 MWh**
Saving of Energy: **1728099.11 MWh**



Project Start Time: 2023-12-18
Project Configuration:
120MWh Liquid Cooling BESS

BESS Capacity: **120MWh**
Saving of Energy: **1512150.23 MWh**

Service Projects



Project Start Time: 2022-08-22
Project Configuration:
500MWh BESS + EMS
+ 900MW Solar System

BESS Capacity: **500 MWh**
Saving of Energy: **12096948 Mwh**



Project Start Time: 2022-03-09
Project Configuration:
50MW Solar System

BESS Capacity: **0.0 MWh**
Saving of Energy: **0.0 MWh**



Project Start Time: 2025
Project Configuration:
Residential BESS + EMS
+ Existing Solar System

BESS Capacity: **50 MWh**
Saving of Energy: **0.0 MWh**

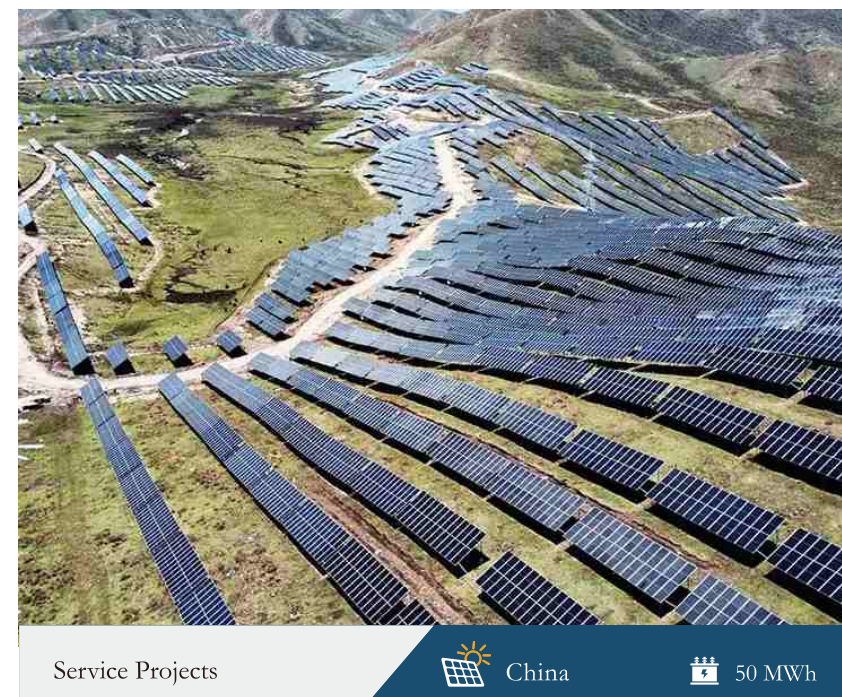
PROJECT CASES

Service Projects



Project Start Time: 2022-07-22
Project Configuration:
70MWh BESS

BESS Capacity: **70 MWh**
Saving of Energy: **1745794 MWh**



Project Start Time: 2022-11-28
Project Configuration:
50MWh BESS + 50MW Solar System

BESS Capacity: **50.0 MWh**
Saving of Energy: **1092282 MWh**



Project Start Time: 2024-12-01
Project Configuration:
5MW/5MWh BESS + EMS
+ Solar System + Diesel Generator

BESS Capacity: **5.0MWh**
Saving of Energy: **28363.25 MWh**



Project Start Time: 2022-06-12
Project Configuration:
150MW Solar System

BESS Capacity: **0.0 MWh**
Saving of Energy: **0.0 MWh**