# Commercial & Industrial Product Range

Battery Energy Storage System

SWITCH TO LITHIUM

Continuously Innovating to

# POWER A SMARTER WORLD

# About us

CLN Energy Limited is a BSE-SME listed company specializing in the design and manufacturing of advanced lithium-ion battery solutions. We power the future of clean energy with high-performance batteries for Electric Vehicles (EVs), Battery Energy Storage Systems (BESS) — including residential, commercial & industrial (C&I), telecom, and data center applications. Headquartered in Singapore, CLN Energy has a global footprint with teams operating across Malaysia and Hong Kong. Our two state-of-the-art manufacturing facilities in India enable us to deliver safe, scalable, and sustainable energy solutions that meet the highest international standards. Driven by innovation, backed by a global team of experts, and committed to environmental stewardship — we're building the foundation for a cleaner and connected tomorrow.

**100+**
**Business Partners**

**100+**
**Distributor Network**

**380+**
**Workforce**

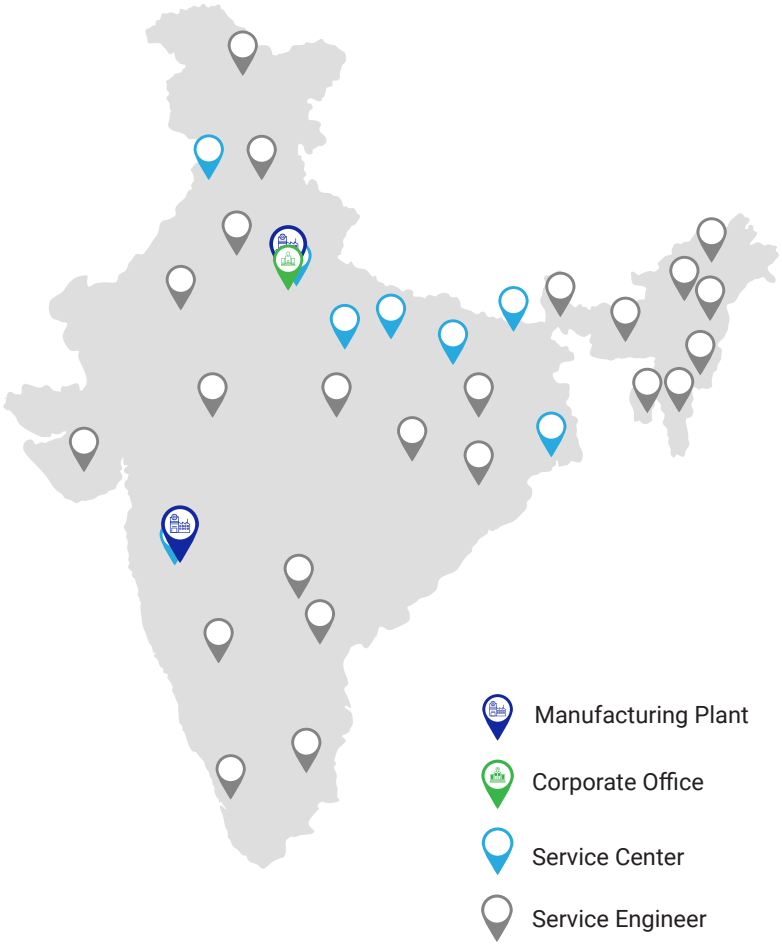
SWITCH TO LITHIUM

"Switch to Lithium" reflects CLN Energy's commitment to powering a cleaner, smarter future. As the world moves toward sustainable solutions, lithium stands out as the energy source of tomorrow—lightweight, efficient, and eco-friendly. This shift marks a move away from outdated technologies toward reliable, future-ready power systems that align with global energy goals.


# Powering Industries Across Globe

# Pan India Sales and Service

Our extensive sales and service network spans to major cities across India, ensuring timely support wherever you are. With teams strategically positioned nationwide, we offer reliable after-sales service, maintenance, and technical assistance. Our customer-focused sales professionals understand local needs and recommend tailored solutions, while our experienced service team ensures quick response and minimal downtime. Count on us for dependable, personalized support—just a call away




Operational Facilities
**Noida: 42,000 Sqft**
**Pune: 20,000 Sqft**

Annual Production Capacity
**2 GWh+ Batteries**

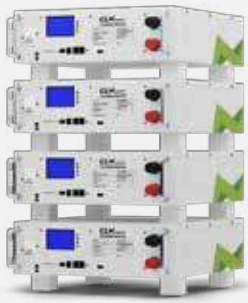
Service Center
**Pan India Service Network**

CLN Energy: Noida Plant

CLN Energy: Pune Plant

# Commercial & Industrial BESS Product Range

Standalone Battery ESS



Low Voltage Stackable ESS

Rack Mounted High Voltage ESS

All-in-One ESS Air Cooled

All-in-One ESS Liquid Cooled

1-5 MWh Grid & Utility ESS

COMING SOON

High Voltage Stackable ESS

Continuously Innovating to

**POWER A SMARTER WORLD**

# Commercial and Industrial ESS

CLN Energy's offers advanced Energy Storage Solutions tailored for industrial, commercial complexes, and remote energy applications. Our energy storage systems are designed to support energy efficiency, stabilize renewable power, reduce peak demand, and ensure continuous power supply.
Whether it's managing energy loads in large-scale commercial buildings, supporting EV infrastructure, enabling off-grid microgrids, or integrating with solar PV systems in industrial zones, CLN'S solutions deliver flexibility, intelligence, and reliability.

## Standalone Battery ESS

CLN Energy's Standalone Battery Energy Storage System embodies our commitment to reliable, high-performance, and sustainable energy solutions. Powered by advanced lithium-ion technology, it offers scalable energy storage designed to meet the demands of commercial and industrial applications.
Built for long-term durability and seamless integration. It enhances energy security, reduces dependency on traditional power grids, and supports the global shift toward cleaner, smarter energy infrastructure.


48V100Ah/ 96V100Ah/ 120V100Ah/ 192V100Ah

## Applications

**Small office** **Farm House** **Critical Health Care Facilities**

# Key Features

**Safe and Long-lasting**
Uses advanced cobalt-free LiFePO4 cells with 3000+ cycles @ 90% DoD

**Remote Monitoring**
Monitor system performance via Android App or integrated display

**Advanced Communication**
Equipped with RS485/CAN for inverter and BMS communication

**Built-in Battery Protections**
Automatic safety features: over/under voltage, temperature, current, and short-circuit protection

**Plug-and-Play Design**
Pre-configured for quick installation and reduced maintenance time

**Wide Temperature Range**
Reliable operation from 0°C to 60°C with natural/forced/HVAC cooling options

**Certified Quality**
Compliant with global standards: UN38.3, IEC 62619, IEC 61000, UL 1973

**Eco-Friendly Chemistry**
Non-toxic, non-hazardous, and fully recyclable LiFePO4 cells

# Technical Specification

| Battery Specification | Rating | | | |
|---|---|---|---|---|
| Battery Configuration | 48V100Ah | 96V100Ah | 120V100Ah | 192V100Ah |
| Battery Capacity (kWh) | 4.8 | 9.6 | 12 | 19.2 |
| Battery Type | LFP | | | |
| Chemistry | Lifepo4 | | | |
| Cell Package Type | Prismatic | | | |
| Capacity (Ah) | 100 | | | |
| DoD | >80% | | | |
| Nominal Voltage (V) | 48 | 96 | 120 | 192 |
| Voltage Range (V) | 42-54 | 84-108 | 106.4-136.8 | 168-216 |
| Rated Charging Current (Standard) | 0.3C | | | |
| Peak Charging Current | 0.5C | | | |
| Rated Discharge Current | 1C | | | |
| Communication Interface/Protocol | RS485/CAN | | | |
| Charging Operating Ambient Temperature (°C) | 0 to 55 | | | |
| Discharging Operating Ambient Temperature (°C) | 0 to 60 | | | |
| Storage Temperature For 6 Months | 0 to 35 (50% SOC) | | | |
| Cooling | Natural / Forced / HVAC | | | |
| Lifecycle @ Ambient 25 | 3000 | | | |
| Rack Type | Enclosure / Container | | | |
| IP Protection | IP20/IP54 | | | |
| Electrical Protection | Contactor / Breaker / BMS | | | |
| Protection | Over voltage, under-voltage | | | |
| | Over-temperature (charge and discharge) | | | |
| | Under-temperature (charge and discharge) | | | |
| | Over current (charge and discharge) | | | |
| | External short circuit detection | | | |

# Stackable Battery ESS

CLN Energy's is Low Voltage Stackable Battery Energy Storage System is a modular lithium-ion solution designed for C&I backup and solar integration. Supporting up to 4 modules (19.2 kWh), it comes equipped with an integrated Energy Management System (EMS) and optional off-grid inverter compatibility.
With multiple operating modes, smart app-based remote monitoring, and advanced safety protections, it ensures seamless performance. Engineered for effortless installation, long-term reliability, and zero maintenance.

## Key Features

- **Modular and Scalable :** Stack up to 4 modules – from 5.12 kWh to 20.48 kWh total capacity
- **Safe and Long-lasting :** Uses advanced cobalt-free LiFePO4 cells with 3000+ cycles @ 80% DoD
- **Smart Energy Management :** Integrated EMS supports multiple operation modes: PV priority, grid priority, or inverter priority
- **Remote Monitoring :** Monitor system performance via Android App or integrated display
- **Advanced Communication :** Equipped with RS485/CAN for inverter and BMS communication
- **Built-in Battery Protections :** Automatic safety features: over/under voltage, temperature, current, and short-circuit protection
- **Plug-and-Play Design :** Pre-configured for quick installation and reduced maintenance time
- **Wide Temperature Range :** Reliable operation from 0°C to 60°C with natural/forced/HVAC cooling options
- **Certified Quality :** Compliant with global standards: UN38.3, IEC 62619, IEC 61000, UL 1973
- **Eco-Friendly Chemistry :** Non-toxic, non-hazardous, and fully recyclable LiFePO4 cells

SB-ESS

COMING SOON

# Technical Specification

| Battery Specification | Parameter | | | |
|---|---|---|---|---|
| Battery Configuration | 48V100Ah | 48V200Ah | 48V300Ah | 48V400Ah |
| Battery Capacity (kWh) | 4.8 | 9.6 | 14.4 | 19.2 |
| Battery Type | LFP | | | |
| Chemistry | LiFePO4 | | | |
| Cell Package Type | Prismatic | | | |
| Capacity (Ah) | 100 | 200 | 300 | 400 |
| DoD | >80% | | | |
| Nominal Voltage (V) | 48 | | | |
| Voltage Range (V) | 42 – 54 | | | |
| Rated Charging Current (Standard) | 0.3C | | | |
| Peak Charging Current | 0.5C | | | |
| Rated Discharge Current | 1C | | | |
| Communication Interface/Protocol | RS485/CAN | | | |
| Operating Ambient Temperature – Charging (°C) | 0 TO 55 | | | |
| Operating Ambient Temperature – Discharging (°C) | 0 to 60 | | | |
| Storage Temperature For 6 Months (°C) | 0 to 35 (50% SOC) | | | |
| Cooling | Natural / Forced / HVAC | | | |
| Lifecycle @ Ambient 25°C | 3000 | | | |
| IP Protection | IP65 | | | |
| Electrical Protection | Contractor / Breaker / BMS | | | |
| Protection | Over voltage, under-voltage | | | |
| | Over-temperature (charge and discharge) | | | |
| | Under-temperature (charge and discharge) | | | |
| | Over current (charge and discharge) | | | |
| | External short circuit detection | | | |

# Applications

- **Hospitality**
- **Office**
- **Education institute**
- **Health Care Facilities**
- **Defence Application**
- **Railway**

# Rack Mounted High Voltage ESS

CLN Energy's Rack Mounted High Voltage Energy Storage System is engineered for high-performance, scalable, reliable storage in commercial and industrial environments. Available in IP20 and IP55 protection ratings, it supports indoor and semi-outdoor installations with ease. This vertically compact, rack-mounted solution offers large-capacity storage, robust backup during power outages, and seamless integration into energy management systems. Equipped with an advanced BMS featuring automatic protection, cell balancing, and master-slave functionality, it ensures operational safety and longevity.

## 100Ah HV Series

### Key Features

- **Scalable & Modular Design :** Up to 1000V, 50-500 kWh system with modular and scalable
- **Advanced BMS :** Three-level architecture (BMU+RBMS+GBMS) for enhanced safety and efficiency
- **Long Lifespan :** 10 years life with 6000 cycle life, LFP chemistry for highest safety standards.
- **Customizable :** Flexible configurations to suit different rack voltage ranges and sizes.
- **Thermal Management :** Advanced thermal analysis for enhanced battery safety and performance
- **Smart BMS :** Intelligent control and SOC estimation for optimal performance
- **Wide Scalability :** Modular daisy-chain architecture with configurable master and slave units.
- **Reliable Warranty :** 5+ years warranty for long-term assurance.
- **Maintenance-free, non-toxic, and cobalt-free LFP chemistry**
- **Compatible with major smart hybrid inverters.**

RMHV-ESS

# Technical Specification

| Battery Specification | Rating | | | | |
|---|---|---|---|---|---|
| Battery Configuration | 240V100Ah | 384V100Ah | 480V100Ah | 512V100Ah | 720V100Ah |
| Battery Capacity (kWh) | 24 | 38 | 48 | 51.2 | 72 |
| Battery Type | LFP | | | | |
| Chemistry | LiFePO4 | | | | |
| Cell Package Type | Prismatic | | | | |
| Capacity (Ah) | 100 | | | | |
| DoD | >80% | | | | |
| Nominal Voltage (V) | 240 | 384 | 480 | 512 | 720 |
| Voltage Range (V) | 210-270 | 336-432 | 420-540 | 448-576 | 630-810 |
| Rated Charging Current (Standard) | 0.3C | | | | |
| Peak Charging Current | 0.5C | | | | |
| Rated Discharge Current | 1C | | | | |
| Communication Interface/Protocol | RS485/CAN | | | | |
| Charging Operating Ambient | 0 to 55 | | | | |
| Temperature (°C) | 0 to 60 | | | | |
| Discharging Operating Ambient | 0 to 35 (50% SOC) | | | | |
| Temperature (°C) | Natural / Forced / HVAC | | | | |
| Storage Temperature For 6 Months (°C) | 3000 | | | | |
| Cooling | IP20/IP54 | | | | |
| Lifecycle @ Ambient 25 | Contactor / Breaker / BMS | | | | |
| Ip Protection | Over voltage, under-voltage | | | | |
| Electrical Protection | Over-temperature (charge and discharge) | | | | |
| Protection | Under-temperature (charge and discharge) | | | | |
| | Over current (charge and discharge) | | | | |
| | External short circuit detection | | | | |
| | Over current (charge and discharge) | | | | |
| | External short circuit detection | | | | |

# Applications

- **Hospitality**
- **Industries**
- **Education institute**
- **Defence Application**
- **Health Care Facilities**

# 314Ah HV SeriesAh HV Series

## Key Features

- **Scalable & Modular Design :** Up to 1000V, 50-500 kWh system with modular and scalable
- **Advanced BMS :** Three-level architecture (BMU+RBMS+GBMS) for enhanced safety and efficiency
- **Long Lifespan :** 10 years life with 6000 cycle life, LFP chemistry for highest safety standards.
- **Customizable :** Flexible configurations to suit different rack voltage ranges and sizes.
- **Thermal Management :** Advanced thermal analysis for enhanced battery safety and performance
- **Smart BMS :** Intelligent control and SOC estimation for optimal performance
- **Wide Scalability :** Modular daisy-chain architecture with configurable master and slave units.
- **Reliable Warranty :** 5+ years warranty for long-term assurance.
- **Maintenance-free, non-toxic, and cobalt-free LFP chemistry**
- **Compatible with major smart hybrid inverters.**

RMHV-ESS

# Technical Specification

| Battery Specification | Rating | | | | |
|---|---|---|---|---|---|
| Battery Configuration | 240V314Ah | 384V314Ah | 480V314Ah | 512V314Ah | 720V100Ah |
| Battery Capacity (kWh) | 75.36 | 120.57 | 150.72 | 160.76 | 226.08 |
| Battery Type | LFP | | | | |
| Chemistry | LiFePO4 | | | | |
| Cell Package Type | Prismatic | | | | |
| Capacity (Ah) | 100 | | | | |
| DoD | >80% | | | | |
| Nominal Voltage (V) | 240 | 384 | 480 | 512 | 720 |
| Voltage Range (V) | 210-270 | 336-432 | 420-540 | 448-576 | 630-810 |
| Rated Charging Current (Standard) | 0.3C | | | | |
| Peak Charging Current | 0.5C | | | | |
| Rated Discharge Current | 1C | | | | |
| Communication Interface/Protocol | RS485/CAN | | | | |
| Charging Operating Ambient | 0 to 55 | | | | |
| Temperature (°C) | 0 to 60 | | | | |
| Discharging Operating Ambient | 0 to 35 (50% SOC) | | | | |
| Temperature (°C) | Natural / Forced / HVAC | | | | |
| Storage Temperature For 6 Months (°C) | 3000 | | | | |
| Cooling | IP20/IP54 | | | | |
| Lifecycle @ Ambient 25 | Contactor / Breaker / BMS | | | | |
| Ip Protection | Over voltage, under-voltage | | | | |
| Electrical Protection | Over-temperature (charge and discharge) | | | | |
| Protection | Under-temperature (charge and discharge) | | | | |
| | Over current (charge and discharge) | | | | |
| | External short circuit detection | | | | |
| | Over current (charge and discharge) | | | | |
| | External short circuit detection | | | | |

# All-in-One Solution

CLN Energy's All-in-One Air-Cooled Energy Storage Cabinet integrates advanced energy storage and power management into a single, compact solution. It houses a long-life lithium battery, bidirectional-balancing BMS, high-performance PCS, intelligent power distribution, active safety features, and a built-in HVAC system—all designed for optimal performance and thermal stability.
With AC-side parallel connectivity, the system allows for flexible capacity expansion and fast deployment of ESS power stations. Engineered for safety, stability, and long-term reliability, it's ideal for commercial and industrial energy storage applications.

# All-in-One Air Cooled ESS

## Key Features

- **Flexible expansion, one machine multi-effect matching a variety of application scenarios.**
- **Multiple Protection Systems.**
- **Highly integrated design AC and DC integrated.**
- **Fingertip monitoring cloud maintenance.**


CLNCIA100kW/200kWh

# Technical Specification

| Parameters/ Model | CLNCIA100kW/200kWh |
|---|---|
| Max Voltage (V) | 950 |
| Max Current (A) | 171 |
| Voltage Range (V) | 650~950 |
| Max. Apparent Output (kVA) | 115.5 |
| Max. Input Active Power (kW) | 105 |
| Nominal Voltage | 400Vac, 3P3W+PE/3P4W+PE |
| Max. Input Current (A) | 167 |
| Nominal Input Frequency (Hz) | 50/60 |
| Nominal Voltage | 400Vac, 3P3W+PE/3P4W+PE |
| Max Output Current (A) | 167 |
| Nominal Frequency (Hz) | 50/60 |
| Battery Chemistry | LFP |
| Capacity (kWh) | 224 |
| Nominal Voltage (V) | 748.8 |
| Voltage Range (V) | 655.2~819 |
| C Rate | ≤0.5C |
| HMI | 7-inch LCD touch screen |
| Fire Safety | Aerosol fire fighting |
| Cooling Method | Air cooling |
| Operating Temp. (°C) | -20~55 |
| IP Degree | IP54 |
| Dimension(WxDxH) mm | <1600x1100x2200 |
| Weight (kg) | <2700 |
| MPPT (kW) | 100 (Optional) |
| STS (kW) | 200 (Optional) |

# Applications

- **Hospitality**
- **Health Care Facilities**
- **DG Replacement in industries and society**
- **Defence**
- **Office (Large range)**

# All-in-One Solution

CLN Energy's All-in-One Liquid-Cooled Energy Storage Cabinet is designed for high-efficiency thermal management and long-lasting performance. Featuring an advanced cabinet-level liquid cooling system and precision temperature balancing, it maintains a cell temperature variance of less than 3°C—ensuring uniform heat distribution and extended battery life.
Its modular architecture supports flexible parallel configurations while delivering higher energy density. This improves cost-efficiency, enhances operational safety, and simplifies deployment for commercial and industrial-scale ESS installations.

# All-in-One Liquid Cooled ESS

## Key Features

- **Flexible expansion, one machine multi-effect matching a variety of application scenarios.**
- **Multiple Protection Systems.**
- **Highly integrated design AC and DC integrated.**
- **Fingertip monitoring cloud maintenance.**

CLNCIA100kW/200kWh

CLNCIL 250kW/464kWh

# Technical Specification

| Parameters/ Model | CLNCIA100kW/200kWh | CLNCIL 250kW/464kWh |
|---|---|---|
| Max Voltage (V) | 950 | |
| Max Current (A) | 165 | 340 |
| Voltage Range (V) | 650~950 | |
| Max. Apparent Output (kVA) | 110 | 110 |
| Max. Input Active Power (kW) | 100 | 100 |
| Nominal Voltage | 220/380V, 3P4W+PE | 220/380V, 3P4W+PE |
| Max. Input Current (A) | 167 | 167 |
| Nominal Input Frequency (Hz) | 50 | 50 |
| Nominal Voltage | 220/380V, 3P4W+PE | 220/380V, 3P4W+PE |
| Max Output Current (A) | 152 | 152 |
| Nominal Frequency (Hz) | 50 | 50 |
| Battery Chemistry | LFP | |
| Capacity (kWh) | 215 | 464 |
| Nominal Voltage (V) | 768 | 832 |
| Voltage Range (V) | 672~840 | 728~910 |
| C Rate | ≤0.5C | |
| HMI | 8-inch LCD touch screen | 7-inch LCD touch screen |
| Fire Safety | Aerosol fire fighting | Perfluoro hexane fire protection/aerosol |
| Cooling Method | Intelligent Liquid Cooling | Liquid Cooling |
| Operating Temp. (°C) | 0~55 | -20~55 |
| IP Degree | IP54 | |
| Dimension(WxDxH) mm | <1400x1100x2350mm | 2400x1400x2300mm |
| Weight (kg) | <2600 | <4500 |

# Applications

- **Hospitality**
- **Health Care Facilities**
- **DG Replacement in industries and society**
- **Defence**
- **Office (Large range)**

# Grid & Utility

CLN Energy's Microgrid Solution—integrates local power generation, energy storage, photo voltaic (PV) systems, and smart load control into a unified, self-reliant power network. Designed for flexibility, it can operate independently or with the main grid. Ideal for remote areas, islands, and off-grid locations, these (1-5 MWh) Battery Energy Storage System (BESS) delivers high-capacity, stable, and scalable power, ensuring energy availability, reducing fossil fuel reliance, and enabling sustainable, grid-independent operations.


1-5 MWh BESS Solutions

# 1 MWh BESS Solution

## Key Features

- **Modular Standard Design**
- **Multiple Protection System**
- **Efficient Installation and Commissioning of AC/DC Integrated System**
- **Intelligent Operation and Maintenance.**
- **High Energy Density for Flexible Layout and Expansion 1 MWh BESS Solution.**

## Technical Specification

| Parameters/ Model | | BESS-1045-0.5C |
|---|---|---|
| Battery module | Cell Capacity (Ah) | 314 |
| | Battery Pack | 1P525 |
| | Module Voltage (V) | 166.4 |
| | Module Power (kWh) | 52.2496 |
| | IP Class | IP67 |
| Battery Rack | Nos. of Modules | 4 |
| | Cluster Nominal Voltage (V) | 665.6 |
| | Voltage Range (V) | 582.4-748.8 |
| | Single Battery Rack Power (kWh) | 208.99 |
| Battery Container | Nos. of Battery Clusters (pcs) | 5 |
| | Battery system energy (kWh) | 1045 |
| | Battery Cabin Dimension (WxDxH) | 6058x2438x2896 |
| | Cooling Method (mm) | Liquid cooling |
| | IP Class | IP54 |
| Compliant with Standards | Battery | IEC62619 UL1973 UL9540A UN38.3 |

# 2 MWh BESS Solution
## Technical Specification

| Parameters/ Model | | BESS-1045-0.5C |
|---|---|---|
| DC side parameters | Cell capacity (Ah) | 100 |
| | Module structure | 3P18S |
| | Module quantity in single cluster | 20pcs |
| | Nos. of battery clusters | 6pcs |
| | Battery system power (kWh) | 2073 |
| | Voltage range (V) | 1008~1278 |
| AC side parameters | Rated grid voltage (kW) | 6*200 |
| | Wiring mode (V) | 690 |
| | Rated grid frequency | 3W+PE |
| | Rated AC power (Hz) | 50/60 |
| | Solation mode | No isolation transformer |
| System level parameters | Operating temperature (°C) | -30~55 |
| | Ambient humidity | 0~95% (no condensation) |
| | Working altitude (m) | 2000 |
| | Communication method | Ethernet, RS485, optional 4G/5G mobile communication |
| | Protection level | IP54 |
| | Cooling method | Liquid cooling |
| | Noise (dB) | ≤65 |
| | Fire protection system | Heptafluoropropane/Perfluorohexanone compartment level/Aerosol ten water fire protection + combustible gas detection + explosion-proof ventilation system |
| | Size (WxDxH) (mm) | 6058x2438x2896 |
| | Weight (T) | 24 |
| | Cluster | IEC62619, UL1973, UL9540A, UN38.3 |
| | PCS | UL1741, EN50549, VDE4110, GB/T34120, GB/T36547 |

# 3 MWh BESS Solution
## Technical Specification

| Parameters/ Model | | BESS-1045-0.5C |
|---|---|---|
| DC side parameters | Cell capacity (Ah) | 314 |
| | Module structure | 1PS2S |
| | Module quantity in single cluster | 8pcs |
| | Nos. of battery clusters | 8pcs |
| | Battery system power (kWh) | 3340 |
| | Voltage range (V) | 1164.8~1476.8 |
| AC side parameters | Rated grid voltage (kW) | 8*200 |
| | Wiring mode (V) | 690 |
| | Rated grid frequency | 3W+PE |
| | Rated AC power (Hz) | 50/60 |
| | Solation mode | No isolation transformer |
| System level parameters | Operating temperature (°C) | -30~55 |
| | Ambient humidity | 0~95% (no condensation) |
| | Working altitude (m) | 2000 |
| | Communication method | Ethernet, RS485, optional 4G/5G mobile communication |
| | Protection level | IP54 |
| | Cooling method | Liquid cooling |
| | Noise (dB) | ≤65 |
| | Fire protection system | Heptafluoropropane/Perfluorohexanone compartment level/Aerosol ten water fire protection + combustible gas detection + explosion-proof ventilation system |
| | Size (WxDxH) (mm) | 6058x2438x2896 |
| | Weight (T) | 30 |
| | Cluster | IEC62619, UL1973, UL9540A, UN38.3 |
| | PCS | UL1741, EN50549, VDE4110, GB/T34120, GB/T36547 |

# 5 MWh BESS Solution
## Technical Specification

| Parameters/ Model | | BESS-5015-0.5C |
|---|---|---|
| Battery module | Cell Capacity (Ah) | 314 |
| | Battery Pack | 1P52S |
| | Module Voltage (V) | 166.4 |
| | Module Power (kWh) | 52.2496 |
| | IP Class | IP67 |
| Battery Rack | Nos. of Modules (pcs) | 8 |
| | Cluster Nominal Voltage (V) | 1331.2 |
| | Voltage Range (V) | 1164.8-1476.8 |
| | Single Battery Rack Power (kWh) | 417.997 |
| Battery Container | Nos. of Battery Clusters (pcs) | 12 |
| | Battery system energy (kWh) | 5015 |
| | Battery Cabin Dimension (WxDxH) mm | 6058x2438x2896 |
| | Weight (T) | ≤43 |
| | Cooling Method | Liquid cooling |
| | IP Class | IP54 |
| Compliant with Standards | Battery | TEC62619 UL1973 UL9540A UN38.3 |

## Applications

- **Grid stabilization**
- **Mini/Micro-grid Application**
- **Peek sharing & load balancing**

# CLN Energy Ltd.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