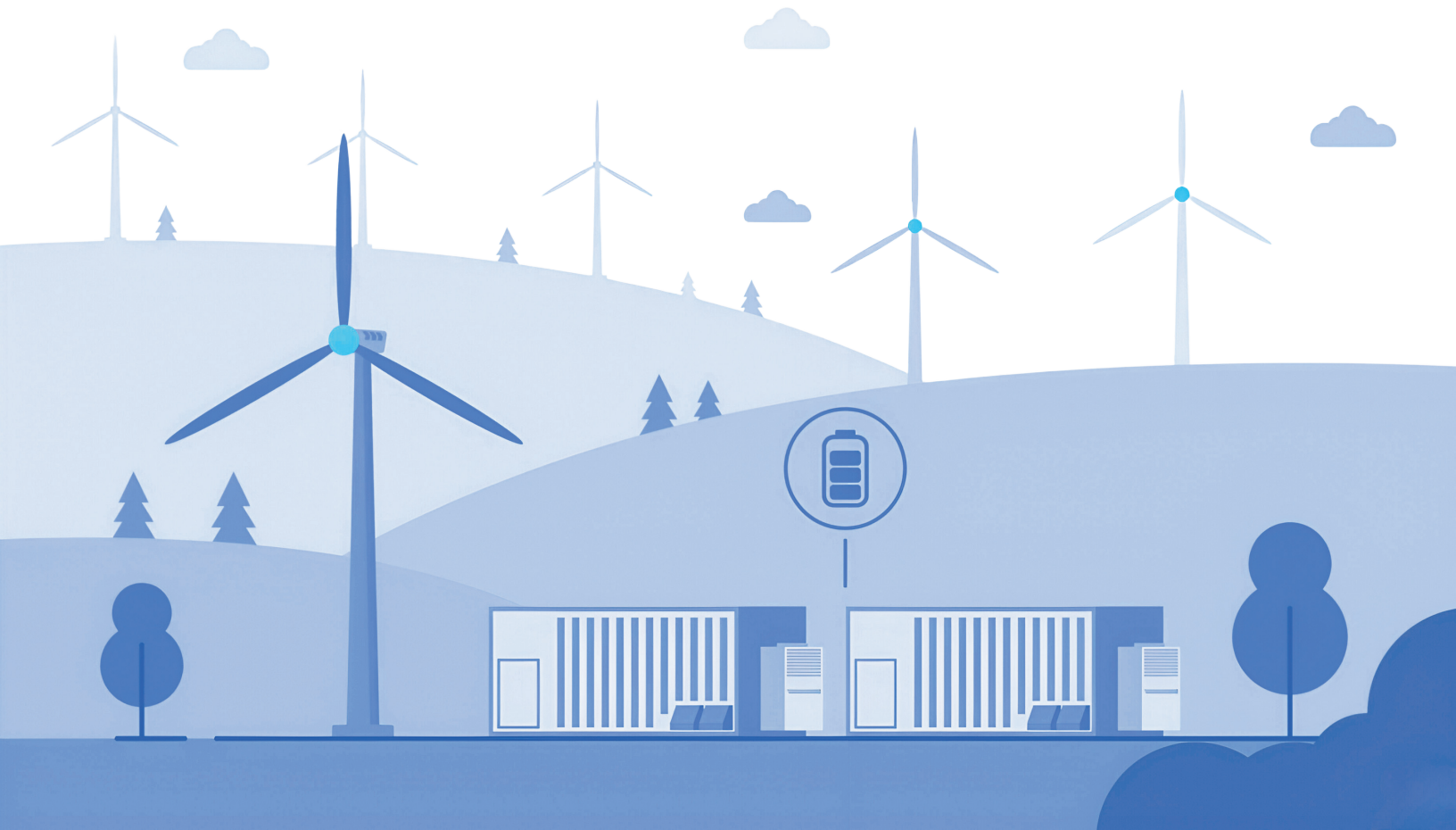


# RELIABLE ENERGY STORAGE SOLUTIONS

## Battery Energy Storage System



# Introduction

HighChem Company Ltd. was established in 1998 in Japan with a vision to establish the bridge between Japan and China's chemical industry.

Since its origin, HighChem is now present in 17 locations with a strong focus on R&D at its 5 research locations.



HighChem is now focused on the Green Chemicals business and new energy development with innovative Battery solutions and Hydrogen energy.

## Battery Energy Storage System

HighChem offers BESS solutions that can be utilized across the value chain, from power generation and distribution to power consumption. These solutions are applicable to various sectors such as renewable energy utilisation, off-grid applications, peak-load shifting and valley filling.



These BESS systems have one of the largest track records of installations worldwide. With these BESS systems, HighChem is committed to increasing renewable energy's share in total energy consumption with a safe, reliable, and economical battery energy storage system.

# Features and Advantages



## High Energy Density

Volumetric energy density higher than 350 Wh/L



## Intelligent Temperature Control

Automatic temperature adjustment to cope with cold and heat



## Long Service Life

Life up to 12,000 cycles



## Intelligent Management

24/7 protection



## Substantial Safety

Aircraft-grade safety and reliability

# Technical Specifications

| Model              | EnerC+                                            | EnerX      |
|--------------------|---------------------------------------------------|------------|
| Capacity           | 4.07 MWh                                          | 5.16 MWh   |
| Configuration      | 5P(2P416S)                                        | 4P(2P416S) |
| Cell Capacity      | 306 Ah                                            | 530 Ah     |
| Rated Voltage      | 1,331 VDC                                         |            |
| IP rating          | IP55                                              |            |
| Thermal Management | Liquid Cooling                                    |            |
| Dimensions         | 6058 mm(L)*2438 mm(W)*2896 mm(H) (20ft container) |            |

# These BESS containers have been deployed in 15+ countries



## K A G HYDROVOLT ENERGY LLP

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### CORPORATE OFFICE

Candor Techspace  
Tower 5, 14th Floor,  
Sector 62, Noida,  
UP – 201309

### REGISTERED OFFICE

A-4, Lohia Nagar,  
Ghaziabad,  
UP – 201001

### EMAIL

[hello@hydrovoltenergy.com](mailto:hello@hydrovoltenergy.com)

### WEBSITE

[www.hydrovoltenergy.com](http://www.hydrovoltenergy.com)