

# Earthquake-resistant energy storage battery cabinets for data centers



## Overview

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Designed to exceed IFC24 fire-containment standards, it enables secure storage of bulk, damaged, or prototype batteries without the need for a separate fire-rated room. Lightweight, mobile, and field-repairable, the cabinet combines long-term durability with sustainable.

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### EnviroGuard

EnviroGuard's Rack Series seismic flooded battery racks conform to UBC standards and are certified to meet IBC 2012 standards for essential facility

### Great East Japan Earthquake

Great East Japan Earthquake, 2011 In the early afternoon of 11 March 2011, Japan was rocked by a 9.0-magnitude earthquake that caused widespread damage to the country's eastern



### Data Centers

Enhance your data center's reliability and efficiency with BX Energy Systems' advanced Battery Energy Storage Systems (BESS). Our solutions ensure uninterrupted power supply, optimize energy usage,

### Emergency

A strong earthquake of 6.4 magnitude hit Nepal's Western Province of Karnali, shortly before midnight, on 3 November 2023. As of 24 November 2023, 154 people (Female: 83, Male: 71) had died and



### On the path to recovery: three months after the earthquake in Vanuatu



A 7.3 magnitude earthquake struck Port Vila on 17 December 2024, claimed 14 lives, destroyed critical infrastructure, and displaced over 2000 people who needed to stay in evacuation

## WHO Responds to Nepal Earthquake

Working closely with the government and partners, WHO is supporting to respond to the urgent health needs of the affected population. A 6.4 magnitude earthquake hit Nepal's Western



## after an earthquake

After an earthquake, there may be unpredictable aftershocks, landslides and fires. Aftershocks may occur immediately after the earthquake or after days, weeks or even months. Follow instructions from

## [WHO scales up emergency response in earthquake-hit Myanmar.](#)

Intensifying support to earthquake-hit Myanmar, the World Health Organization (WHO) has provided nearly 100 tons of medicines, medical devices and tents so far, and is assisting in



## [Hyperscale Energy Storage for Data Center Developers](#)

B-Nest™ energy storage enables data center campuses which lack full power deliverability to enter interruptible power supply contracts with the local utility,

## Energy Storage

Provide a comprehensive product solution for multiple application scenarios such as telecom base station backup battery pack and data center backup battery pack, which is convenient and



### [Battery Cabinet, Battery Storage Cabinet, Battery Bank Rack](#)

EverExceed VRLA battery cabinets are very durable, and easy to install. Engineered for use with most type of battery terminal models, these cabinets can fit a wide variety of applications.



## Healing in the Open: Stories of Strength and Recovery After the

Aiming to restore essential services and strengthen the resilience of earthquake-affected communities, over 3,100 mothers and newborns have received support through the distribution of



## Lives Rebuilt: Personal Stories from Myanmar's Earthquake Recovery

A community struggling, yet unbroken & WHO's people centered response The hardships these individuals face reflect the wider struggles of millions displaced by the earthquake. Safe water,

### [Custom Battery Rack Fabrication for Energy & EV Systems](#)

Custom fabrication of welded battery racks for ESS, EV, UPS, and telecom. Carbon/stainless



steel, modular, powder-coated. ISO, CE, AWS certified.



### [Battery Energy Storage for Data and Supercomputing](#)

Our patented immersion-cooled design ensures stable thermal conditions, extends battery life, and maintains high system availability. Our BESS solutions can fit



### **Earthquakes**

An earthquake is a violent and abrupt shaking of the ground, caused by movement between tectonic plates along a fault line in the earth's crust. Earthquakes can result in the ground

### **Vertiv™ EnergyCore Battery System**

The Vertiv EnergyCore is the first lithium-ion battery cabinet engineered specifically for data center use. Its compact design, proven safety features, and factory-tested reliability make it a smarter choice for



### **Lithium-Ion Battery Storage Cabinet**

Designed to exceed IFC24 fire-containment standards, it enables secure storage of bulk, damaged, or prototype batteries without the need for a separate fire-rated



### **Myanmar earthquake response 2025**



Sagaing earthquake in Myanmar On 28 March 2025, two powerful earthquakes struck central Myanmar's Sagaing Region near Mandalay. The first, with a magnitude of 7.7, occurred at

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