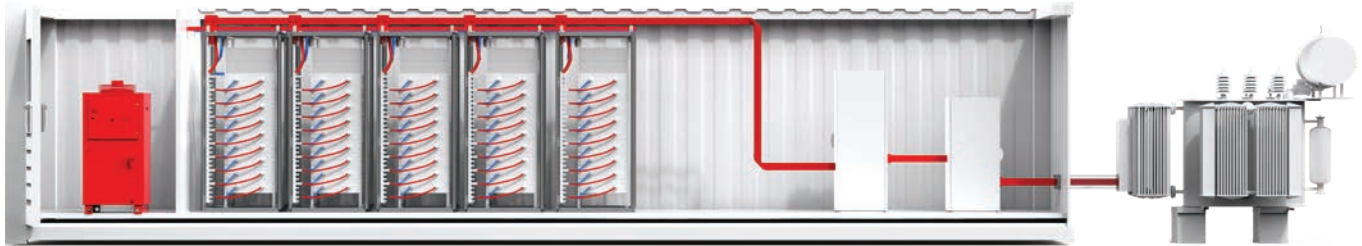


nVent Solutions for Battery Energy Storage Systems



nVent manufactures premium low-voltage power distribution and grounding connections that provide significant advantages within battery energy storage systems (BESS) that improve the overall system cost, including design flexibility, scalability, safety and reliability.



Resiliency and Protection

Our solutions add resiliency to critical systems by helping keep them safe from natural and manmade disruptions.



Lifespan and Serviceability

Our solutions extend the lifespan of our customers' systems, reducing waste and lowering cost.



Safer Solutions

Our solutions improve end-user safety and help our customers enhance the safety of their operations.



Customer Productivity

Our solutions reduce labor cost in design and installation, improve utilization and reduce total cost of ownership.

SOLUTION BENEFITS

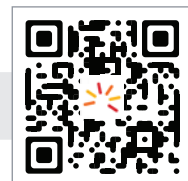
- Reliable, space saving solutions
- Maximize energy efficiencies
- Resilient protection to maximize uptime and create system longevity
- Scalable solutions and technology for a wide variety of applications

APPLICATIONS

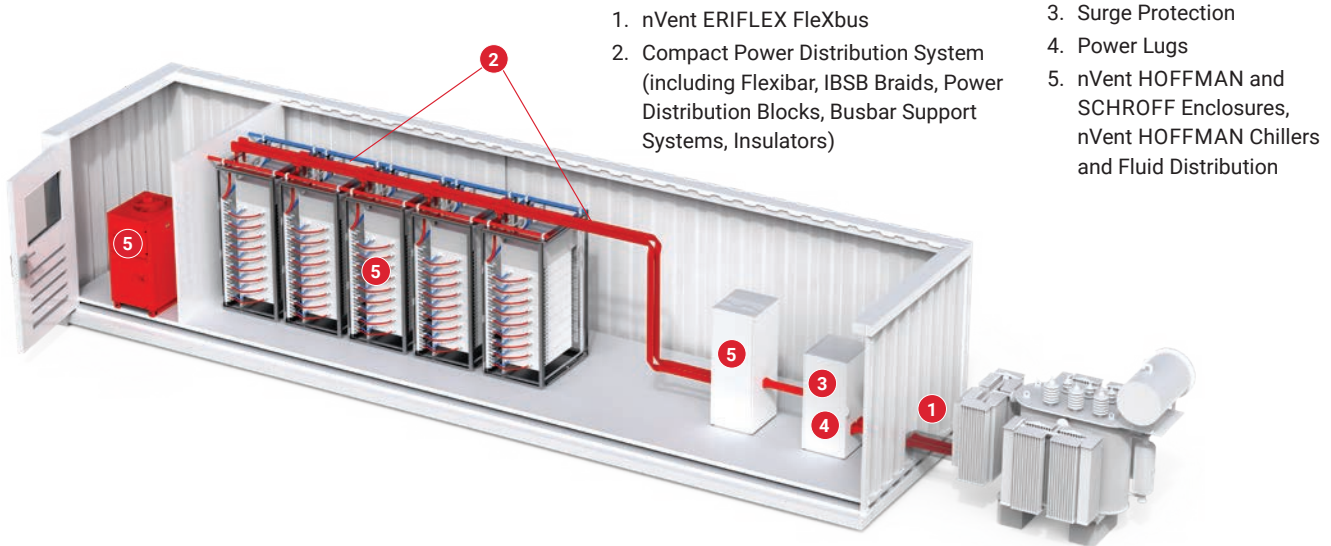
nVent battery energy storage system solution offering covers several applications within the BESS container.

- Battery Cell and Module
- Battery Cell and Module > Power Conversion System
- Power Conversion System (PCS)
- Power Connections of Subsystems
- Fault Monitoring
- Overvoltage Protection

Learn more about nVent Energy Storage at: [nVent.com/energy-storage](https://www.nvent.com/energy-storage)



ENERGY STORAGE SYSTEM ARRANGEMENTS



- 1. nVent ERIFLEX Flexbus
- 2. Compact Power Distribution System (including Flexibar, IBSB Braids, Power Distribution Blocks, Busbar Support Systems, Insulators)

- 3. Surge Protection
- 4. Power Lugs
- 5. nVent HOFFMAN and SCHROFF Enclosures, nVent HOFFMAN Chillers and Fluid Distribution

1 nVent ERIFLEX Flexbus System



- Provides a patented connection solution between two pieces of electrical equipment
- Offers faster installation and reduces total installation cost

2 Compact Power Distribution System



- Range of innovative flexible conductors available in standard sizes and made-to-order configurations
- Low profile, low-smoke, halogen-free, lightweight and flexible conductors
- Variety of halogen-free distribution blocks

3 Surge Protection Devices



- nVent surge protective devices work together to create a coordinated defense. Safeguard your technology from impulses generated internally and externally with systems designed to provide primary and secondary protection at distribution panels and the point of use.

4 Power Lugs



- Enables secure and reliable connection of low voltage wires directly underground, providing an interface for joining multiple wires
- Designed to withstand moisture, temperature fluctuations, and mechanical stress

5 nVent HOFFMAN and SCHROFF Enclosures, nVent HOFFMAN Chillers and Fluid Distribution



- Wide range of standard enclosures, climate control solutions and accessories that provides ultimate protection and reliability for all energy storage applications



Our powerful portfolio of brands:

CADDY ERICO HOFFMAN ILSCO RAYCHEM SCHROFF

©2024 nVent. All nVent marks and logos are owned or licensed by nVent Services GmbH or its affiliates. All other trademarks are the property of their respective owners. nVent reserves the right to change specifications without notice.

nVent-FLY-N01172-BESSsystem-USEN-2406