Your Trusted Partner in Automation

Moxa is a leading provider of edge connectivity, industrial computing, and network infrastructure solutions for enabling connectivity for the Industrial Internet of Things (IIoT). With over 35 years of industry experience, Moxa has connected more than 94 million devices worldwide and has a distribution and service network that reaches customers in more than 85 countries. Moxa delivers lasting business value by empowering industries with reliable networks and sincere service. Information about Moxa's solutions is available at www.moxa.com.

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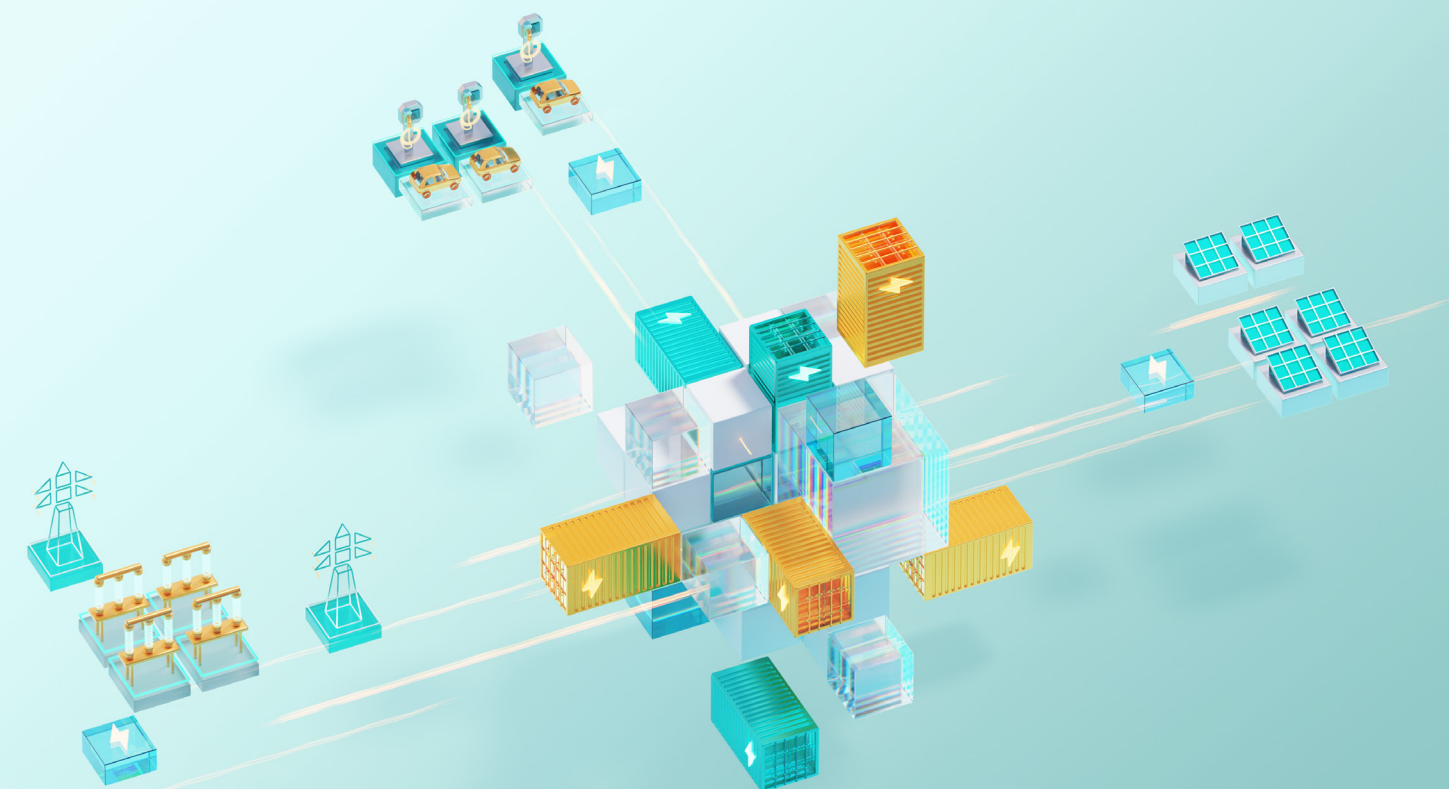Fax: +86-21-5258-5505
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Harness the Flow for Enduring BESS Solutions

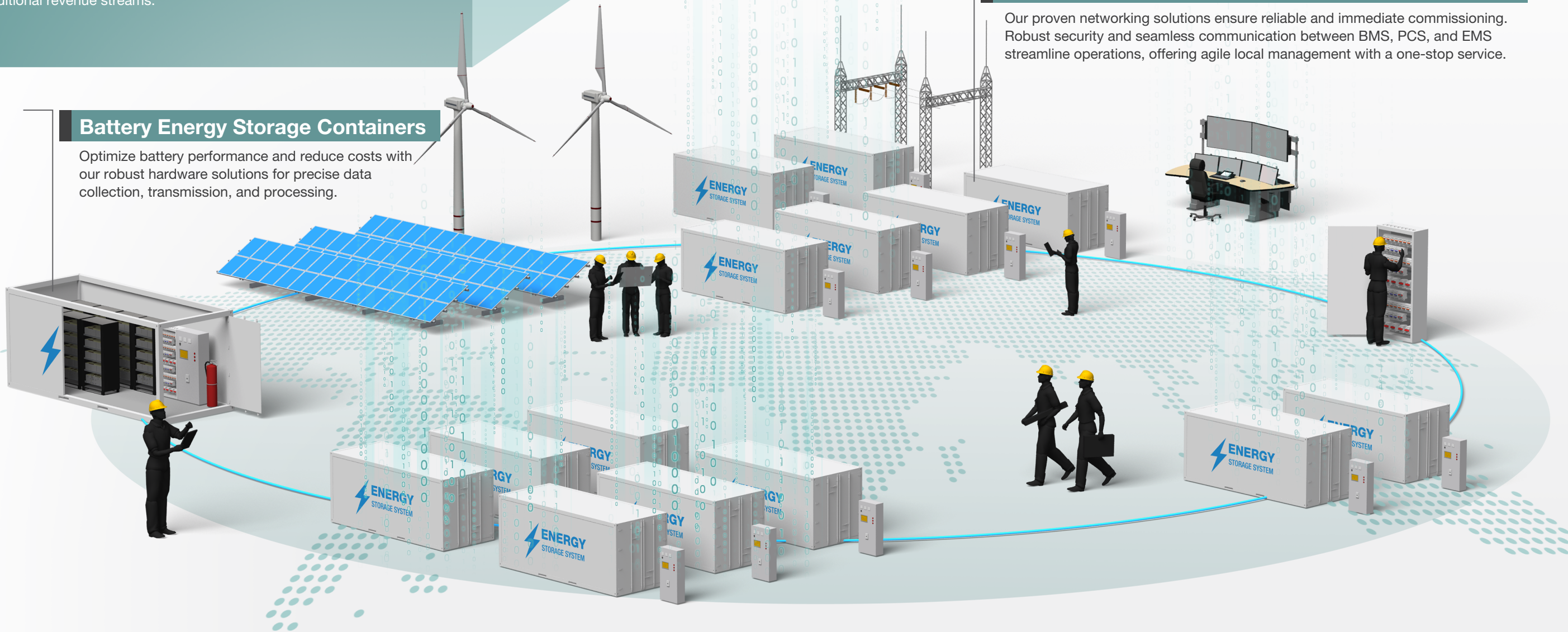## Empowering BESS with Connectivity and Data Integrity

As the energy market increasingly transitions to renewable energy sources, securing data flow is more important than ever. Extreme weather challenges and escalating cyberthreats make the reliability and security of data crucial. This necessity is clear in every aspect of the value chain, from integrating renewables to managing distributed energy and monitoring systems. The focus extends to ensuring long-term operations, robust network design, and swift connections—all essential for the seamless operation of large-scale BESS. With over 35 years of industry expertise in enabling industrial transformation through connectivity, we are committed to providing reliable, industrial-grade solutions that strengthen the backbone of energy operations in battery energy storage containers and grid-connected battery energy storage systems.

The Crucial Role of BESS in Transforming Energy Networks

Global energy networks are undergoing a revolutionary transformation, aiming to harness an astonishing 98% of newly generated power from renewable sources. This paradigm shift underscores the importance of megawatt-level battery energy storage systems (BESSs) that can quickly respond to enhance grid reliability and stability, manage renewable energy fluctuations, reduce curtailments, and generate additional revenue streams.

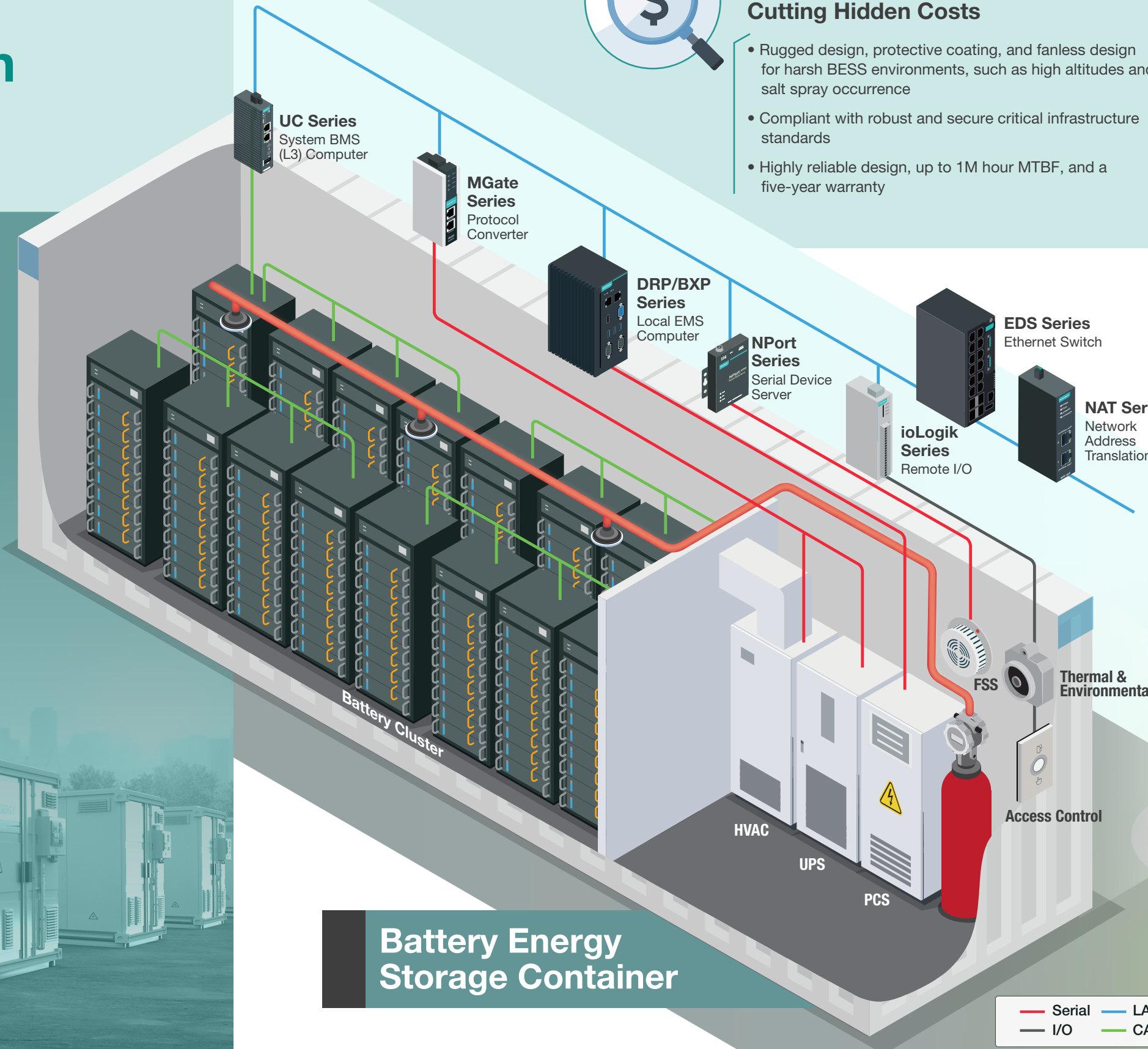### Grid-connected Battery Energy Storage Systems

Our proven networking solutions ensure reliable and immediate commissioning. Robust security and seamless communication between BMS, PCS, and EMS streamline operations, offering agile local management with a one-stop service.

Battery Energy Storage Containers

Optimize battery performance and reduce costs with our robust hardware solutions for precise data collection, transmission, and processing.

HARNESS THE FLOW

Elevating Energy Connectivity Via Proven Solutions

Real-time connectivity and accurate data collection are crucial for industrial energy companies. Access to data in real time enables well-informed decision making and a balance in supply and demand in energy systems. Yet, industrial energy companies must overcome obstacles such as diverse communication protocols, unpredictable environments, and security concerns to achieve this crucial connectivity.

As a leading provider of edge connectivity, industrial computing, and network infrastructure solutions, we offer comprehensive and secure solutions aligned with stringent cybersecurity regulations. Our dedication to compliant solutions for critical infrastructure solidifies our position as a trusted partner in the energy sector's evolution.

Reliability
Cutting Hidden Costs

- Rugged design, protective coating, and fanless design for harsh BESS environments, such as high altitudes and salt spray occurrence
- Compliant with robust and secure critical infrastructure standards
- Highly reliable design, up to 1M hour MTBF, and a five-year warranty

Longevity
Sustained Supply and Service

- Worldwide delivery and support in over 85 countries
- Continuous product iteration, pledging long-term stable supply
- 10-year Linux support, including security patches and bug fixes

Simplicity
Speeding Up Project Turnaround

- Visualized monitoring and mass configuration tools to reduce commissioning time for EPC/SI
- Expertise include deployment of over 7,500 SAS and monitoring more than 10 GWh of BESS
- Providing global network technical services to minimize engineers' workload

Availability
Enabling Hassle-free Networking

- Comprehensive networking solutions for a variety of energy storage scenarios
- Managing thousands of communication devices simultaneously and remotely
- Defense in depth for critical devices and enhanced security based on IEC 62443

Grid-connected Battery Energy Storage Systems