

Harness the Flow

Conquering the flux and simplifying energy management



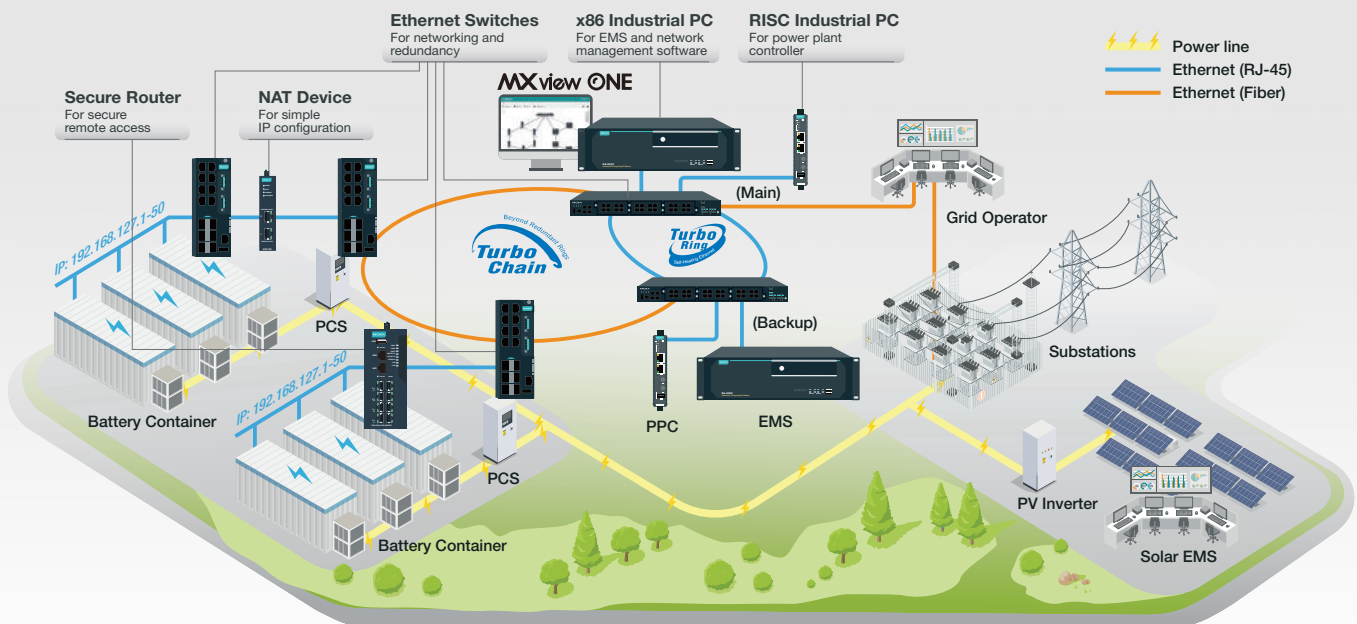
Coordinating Communication Between BESS, PCS, and EMS Is Difficult

The major hurdles are meeting deadlines and finding skilled professionals in network connectivity and the deployment of the appropriate energy storage assets.

A Complex Network Topology to Ensure Stable Operations and Smooth Management

Achieving the right balance between high availability and secure operations for BESS networks is an enormous challenge.

Moxa's Solutions for Grid-connected Battery Energy Storage Systems



Simplicity Speeding Up Project Turnaround

- Simplified Design**
Visualized monitoring and mass configuration tools to reduce commissioning time for EPC/SI
- Communication Professionals**
Deploying over 7,500 SASs and monitoring more than 10 GWh of BESS
- Agile Local Services**
Providing global network technical services to minimize engineers' workload

Availability Enabling Hassle-free Networking

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

BESS Product Portfolio at a Glance

Reliable and Secure Network Connections



Ethernet Switches
The EDS/RKS family for Ethernet connectivity and redundancy



Secure Routers
The EDR Series for cybersecurity requirements



Industrial NAT
The NAT Series for simple IP address configurations



Automatic Backup and Configurations
The ABC Series for device configurations and maintenance



EMS Servers



IEC 61850-3 IEEE 1613



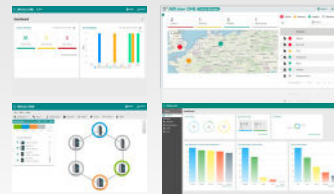
x86 Computers
The DA Series IEC 61850 rackmount computers for EMS servers

Power Plant Controllers



Arm-based Computers
The UC family for power plant controllers

BESS Network Management Software



MXview ONE
MXsecurity
MXview ONE
Central Manager
MXview Power

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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