



Midea Energy



CLOU EMS System

CLOUD

Intelligent Brain

- Real-time data collection
- Real-time data monitoring
- Smart alerts and diagnostics
- Intelligent O&M for proactive management
- Economic benefit analysis

EDGE

Smart Data Processing

- Real-time SOX calculation
- SCADA-based monitoring
- Coordinated real-time plant operations
- Reporting of operational data to the cloud

DEVICE

Fast, Precise & Always Connected

- Real-time equipment balancing and optimization with high accuracy
- Instant on-site execution
- Instant data reporting to edge and cloud layers

Key Highlights



All-in-One Turnkey Solution

Complete control and software stack—from design to installation and commissioning.

- Supports solar, storage, AC/DC-coupled systems
- Flexible architecture for any renewable setup
- Enables revenue stacking in wholesale, T&D, and renewable markets



Reliable Control, Edge to Cloud

- Top-down control integration
- Multiple power control modes for dynamic grid response
- Cloud or on-site hosting for HMI, reports, and historian



Smarter Data, Better Decisions

- AI optimization for pricing, forecasting, dispatch, and bidding
- Performance analytics to boost uptime and efficiency
- Data stored for contract life to support warranties and asset sales



Built for Safety & Reliability

- IEC 62443 cybersecurity compliant
- Hardened equipment with high availability

Network Topology Diagram

