

ENERGY STORAGE = FULL VALUE STACK

PXiSE's energy storage solution comprehensively delivers:

- Power quality management
- Simultaneous real and reactive power control
- Frequency control and one-cycle voltage control
- Power control (curtailment, ramp) and Power Factor control
- Hierarchical view of assets and storage for efficient use in an outage
- STATCOM-like reactive power management
- Immediate islanding and main grid reconnection
- Backup power and blackstart support
- Scheduled energy management
- Peak shaving, peak shifting,
- energy arbitrage, and demand response
- Optimized revenue potential via prioritized value stacking or ancillary services
- Additional energy assets coordination and control
- Synchronized control of energy infrastructure on a geographically dispersed system
- Built-in OSIsoft PI asset frameworks and vast protocol library to support fast deployment and future expansion
- Embedded OSIsoft PI data historian, alarms, and visualization tool

Standalone storage or hybrid (generation + storage):

- Complement existing generating facility (renewable or conventional)
- Increase grid reliability both at transmission and distribution level
- Enhance power quality
- Increase renewables penetration
- Maximize value stacking

DROP-IN READY, next generation modular energy storage & intelligent control.

- Operate in a full-time multi-mode to maximize value stacking
- Manage distributed storage units locally & combine effect as one virtual central storage unit
- Scalable from 250kW to 100MW and beyond
- Featuring PXiSE Advanced Control Technology (ACT), the world's first real-time autopilot to control diverse energy infrastructure

PXiSE ENERGY STORAGE FOR SMALL AND LARGE DEPLOYMENTS

PXiSE's Energy Storage solution flexible design makes it ideal for use across the industry:

- Mainland and island grid operation
- System operators; power delivery managers; Generation operators
- Microgrids and energy management for C&I and Institutions
- Microgrid developers; energy management professionals; energy asset managers
- DG / DER coordination and aggregation
- DER aggregators; energy management professionals; energy asset managers

PXiSE's Energy Storage solution is offered in two standardized module sizes that can be expanded under unified control in-place or geographically dispersed:



PXiSE Energy Storage S-Class - for smaller-scale deployments

SINGLE UNIT SPECIFICATION:

- 250kW / 500 kWh
- One-cycle response time
- +/- 250KVA (480V AC)
 - +/- 250 kW or
 - +/- 250 kVAR or
 - Combination of the two
- Unified-control of 50 or more distributed units
- Weight: 24,000 lbs.
- Space requirement (feet): 8'H x 8'W x 16'L
- PXiSE ACT and OSIssoft PI embedded

PXiSE Energy Storage L-Class - for larger-scale deployments

SINGLE SYSTEM SPECIFICATION:

- 5 MW / 2.5 MWh
- One cycle response time
 - +/- 5 MVA (12kV or higher)
 - +/- 5 MW or
 - +/- 5 MVAR or
 - Combination of the two
- Unified-control of 40 or more distributed systems
- Weight: 60,000 lbs.
- Space requirement (feet): 10'H x 45'W x 45'L
- PXiSE ACT and OSIssoft PI embedded