

PRODUCT SPEC SHEET · COMMERCIAL BESS

Modular commercial storage. Up to 12C discharge. Siemens-pilot proven.

DRAGONFLY is XEYAR's commercial and industrial BESS — modular, expandable, and built for solar/wind co-location and demand-charge management. The SuperCap variant delivers 12C discharge for industrial peak load shedding; the Na-ion variant offers multi-hour duration for arbitrage and backup. Both support 200% daily cycling without degradation penalty.

SUPERCAPACITOR OPTION	SODIUM-ION OPTION
12C discharge · sub-100 ms response · high-cycle	Multi-hour duration · cold-weather operation

Field-Proven · Field-proven in the Siemens Oakville pilot: sub-100 ms PV ramp smoothing, fail-tolerant module architecture, 100% DoD at dispatch.

SPECIFICATIONS

Attribute	Value
Discharge Rate (SuperCap)	Up to 12C
Discharge Rate (Na-ion)	2C / 3C / 5C
Daily Cycling	200% (multiple cycles per day)
Round-Trip Efficiency	97%
Grid Functions	Peak shaving, FFR, PV ramp, UPS ride-through
Form Factor	Indoor rack or outdoor cabinet
PV Response	<100 ms (electrostatic)
Fail-Tolerance	Module-level (no single point of failure)
Certifications	UL 9540, UL 1741 (in review), IEEE 1547

IDEAL FOR

- Demand-charge reduction (peak shaving)
- Industrial peak load shedding
- Frequency regulation (FFR)
- Solar/wind co-location firming
- C&I; UPS ride-through
- Dealership & fleet depot storage

Ready to Specify Your DRAGONFLY Project?

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