



VIONXTM ENERGY

VNX 1000 SERIES 1,000 KW / 6–10 HOURS



Shown: 1 MW / 8 MWh DC System

PROVEN LONG-DURATION ENERGY STORAGE

Vionx's VNX1000 utilizes reliable vanadium redox chemistry and a patented battery stack design based on decades of development by United Technologies Corporation to deliver a practical long-duration energy storage solution. With a system design proven at grid scale, a modular architecture based on 1 MW Power and 1 MWh Energy building blocks, and long-duration, deep-discharge capability paired with sub-cycle response, the VNX1000 platform serves a broad array of grid applications cost-effectively.

The Vionx VNX1000 is supported by the deep strength of a world-class team of corporate partners and a management team of experienced energy industry executives to deliver a bankable energy storage solution.

20 YEAR LIFETIME AT FULL CAPACITY Bankable performance. No cycle limits. No degradation. No augmentation. No replacement.

PROVEN CHEMISTRY & PROVEN MATERIALS Decades of validation, trusted suppliers, and world-class pedigree.

DURABLE, EFFICIENT, & SIMPLE DESIGN A patented flow field delivers high power at low pressure, minimizing operating stresses. A simple, efficient design lowers cost, maximizes reliability, and minimizes footprint.

FULLY MODULAR ARCHITECTURE Independent power and energy allows for optimal sizing and allows for capacity to be added simply and cost-effectively as grid conditions change.

SAFE An aqueous, non-flammable electrolyte with physically separated reactants. Double wall containment integral to every container.

INDEPENDENTLY EVALUATED



12A Cabot Rd, Woburn MA 01801 | vionxenergy.com | 978-664-5000



ENERGY STORAGE MODULE	VNX1000-6	VNX1000-8	VNX1000-10
Energy Storage (MWh)	6 MWh	8 MWh	10 MWh
Usable Depth of Discharge	100%	100%	100%
Life	20 years (unlimited cycles)		
Power Rating	1 MW AC [2 Stack Containers]		
DC Footprint	185 m ² / 2,000ft ²	195 m ² / 2,100ft ²	205 m ² / 2,200ft ²
DC Efficiency (stack)	78%	78%	78%
DC Voltage	500V–800V DC operating range		
AC Efficiency	68%	68%	68%
Signal Response	<1 Second electrolyte pumps ON <1 Minute electrolyte pumps OFF		
Interconnection Standard	IEEE 1547		
Operating Ambient Temperature	-40°C to +45°C / -40°F to 113°F		
Relative Humidity	0 to 100%		

THE VIONX TEAM

World-class companies bring deep experience in technology, energy, manufacturing and finance to deliver a bankable storage solution.

EQUITY OWNERS



STRATEGIC & TECHNOLOGY PARTNERS

