



EGUANA



Elevate

Commercial & Industrial
Energy Storage



Storage Architect, Energy Hub, and Intelligent Energy Management System

The Eguana Elevate battery system is operated by Pason Power's Storage Architect; an intelligent EMS system with built-in financial modelling and remote monitoring tools. With more than 40 years experience and millions of dollars in monitoring and control assets deployed in the oil & gas drilling sector, Pason Power is well positioned to deliver energy storage performance with confidence.

Financial modelling based on actual equipment performance.

Upload your site's load information and configure your system costs to predetermine your system NPV, IRR and more based on real performance data from the Elevate storage system.

Model energy storage only or with solar plus storage.

Remote site monitoring of single or aggregated systems.



Remotely analyze performance of individual systems. Compare performance of multiple systems. Determine any changes in load profiles, solar performance, and any other factors that may impact the energy storage optimization.

Cutting edge EMS with innovative machine learning.

Real time data is combined with historical data to optimize the value streams captured by the energy storage system. IoT sensor aggregation, weather metrics, energy market changes and more are factored into the optimization algorithms.

Demand savings

Elevate your storage value with additional revenue streams.

The EMS also supports time-of-use, load shifting, and grid service functions.

Demanding the most from your energy storage system.

Financial modelling for demand charges is one thing, but how can you be sure your system will perform as shown on paper?

Ask us about our various incentives; including shared ownership, performance guarantees, and more.



Elevate



Integrated HVAC for year round outdoor operation



Wi-fi and cellular control redundancy



15 kW 3Ø
208V and 480V

31 & 37 kWh
storage
AC capacity rated.

**Flexible,
grid ready
energy storage**

The Elevate energy storage system has been designed for easy deployment in small commercial and industrial applications. A standard unit contains 15 kW of power and up to 39 kWh of storage all within the size of a standard shipping pallet.

Multiple units can be operated in parallel, providing flexible design for a range of project sizes.

Factory integrated Eguana power control systems and LG Chem lithium batteries with automated protection and recovery provide reliable, long term performance with minimal service.



LG Chem lithium NMC
industrial rack-mount batteries
with built-in BMS

Specifications

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Model	Elevate	
AC Grid Specifications	-208	-480
Nominal AC voltage	208 V, 3-Phase delta	480 V, 3-Phase wye
AC voltage range	-12% to +10% of nominal AC voltage	
Nominal AC frequency	60 Hz	
Frequency range	59.3 to 61.5 Hz	18 A
Rated AC current	40.8 A	
Continuous AC power	15000 VA	
Power factor	fixed / adjustable 0.8 leading to 0.8 lagging	
Efficiency	96% peak	
Galvanic isolation	Integrated transformer	
Power ramp rate	0.1 % to 100%/sec	
Energy Storage Specifications		
Battery chemistry	Lithium type	
Nameplate capacity, DC	39.1 kWh	
Rated AC energy	37.0 kWh	
Rated charge/discharge current	300 A DC / 375 A DC	
Nominal DC voltage	48 V	
Operating DC range	40 to 65 V	
DC overcurrent protection	450 A DC	
Mechanical	Base Model	-H (HVAC option)
Max humidity	<95% (non-condensing)	
Enclosure type	NEMA 3R, outdoor	
Cooling - PCS cabinet	Fans	Air conditioned
Cooling - battery cabinet	Convection	Air conditioned
Enclosure dimension (WxHxD) (excluding antenna)	1246 x 1365 x 857 mm 49" x 53.75" x 33.75"	1246 x 1365 x 957 mm 49" x 53.75" x 37.75"
Enclosure overall weight	704 kg (1549 lbs)	727 kg (1600 lbs)
Operating temperature	-10 to 45°C	-15 to 50°C
Full load operating temperature	0 to 40°C	-5 to 45°C
Air conditioner, base load, W	-	300 W
General Specifications		
External communication	MODBus RTU (RS-485)	
Display	LED	
Self-consumption (w/o HVAC)	<300 W(operating) / < 15 W(sleep)	
DC protection	Circuit breaker	
Lightning protection	IEEE 62.41.2, Location cat.B, Low exposure	
Grid monitoring	Active in all states	
Ground fault monitoring	DC-grounded system configuration	
Configurable grid mgmt functions	Watt reduction, VAR control, VRT/FRT control	
Auxiliary dry contacts (prog., x2)	240 V, 10 A rated	
Standards/Certifications		
EMC	FCC, part 15-B	
Utility Interface and Safety	UL 1741 SA, IEEE 1547, UL 9540	



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About Eguana Technologies

Based in Calgary, Alberta, Canada, Eguana Technologies (EGT: TSX.V) designs and manufactures high performance residential and commercial energy storage systems. Eguana has nearly two decades of experience delivering grid edge power electronics for fuel cell, photovoltaic and battery applications, and delivers proven, durable, high quality solutions from its high capacity manufacturing facilities in Europe and North America. With thousands of its proprietary energy storage inverters deployed in the European and North American markets, Eguana is the leading supplier of power controls for solar self-consumption, grid services, and demand charge applications at the grid edge.

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