

EGUANA AC BATTERY™

COMMERCIAL SCALE ENERGY STORAGE
IN YOUR CONTROL

- + FACTORY INTEGRATED
- + COMMAND READY
- + SYSTEM CERTIFIED

The Eguana AC Battery is a complete grid ready energy storage appliance that accepts dispatch commands from any control network using open communication protocols.

- + Provides superior performance in utility grid applications, including:
 - Demand Charge Management
 - Frequency Regulation
 - Demand Response
 - Feeder Voltage Support

- + Modular, outdoor rated design provides installation flexibility, simplified fleet maintenance, and operational redundancy for a range of project sizes and locations.

- + Command the Eguana AC Battery via a Sunspec-compliant Modbus interface using a third party* energy management system.

* EMS power and docking station available within the cabinet.

- + Factory integrated Eguana PCS and LG Chem Battery and BMS with automated protection and recovery provide reliable, long term performance with minimal field service requirements.



powered by
bi-direx™

15 kW, 3Ø
208V & 480V Models



31 & 37 kWh* of storage
*AC rated energy



Full power operation
from -15°C to +50°C with
optional HVAC kit



Model	ACB15	
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	
Rated AC current	40.8 A	18 A
Continuous AC power	15000 VA	
Power factor	fixed / adjustable 0.8 leading to 0.8 lagging	
Harmonic distortion	< 5%	
Efficiency	96% peak	
Galvanic isolation	Integrated transformer	
Power ramp rate	0.1 % to 100%/sec	
Energy Storage Specifications	-33	-39
Battery chemistry	Lithium type	
Rated AC Energy	30.8 kWh	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
Thermal insulation	-	1" sheet
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 1973	

EGUANA COMMERCIAL AC BATTERY™

ACB15-XXX-XX-X

Model selector

XXX - Select either 208V or 480V model.
 XX - Select either 30 kWh or 37 kWh capacity.
 X - Leave blank for base model or select optional HVAC kit.

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Optional
 Wi-Fi / Cellular
 Antenna



About Eguana Technologies

Based in Calgary, Alberta, Canada, Eguana Technologies (EGT: TSX.V) designs and manufactures high performance power electronics for residential and commercial energy storage systems. Eguana has more than 15 years 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.



Optional HVAC Kit

Six point boom lift

