

# + BAT-215



## From solar energy to smart energy

The XOLTA app shifts consumption to cheap hours and sells when prices are high – pay less for electricity and turn your battery into a source of income when prices rise.

# + Power Meets Performance: Discover the BAT-215 Energy Storage System

## The ideal multi-purpose battery

Take advantage of the powerful 100kW bi-directional AC output and 215kWh usable energy in BAT-215, our 4th generation industrial energy storage system. The system is a fully integrated storage and power unit, delivered in a single durable steel cabinet, factory assembled and tested. The footprint is a mere 1040x1500mm allowing for installation where cost of space is high. The built-in heating and liquid cooling ensure performance in all conditions.



## Intelligent optimization

As with any other Xolta battery intelligent energy optimization is available. Take advantage of our advanced predictive algorithms providing maximum utilization of your energy storage including energy arbitrage and detailed optimization modes. Financial and environmental data for your internal reporting is available at your convenience.

A series of easy-to-read screens presents the day's energy plan and takes you through current and past performance. Looking for more details, dive into the comprehensive data library providing insights into weather forecasting, breakdown of price data, CO<sub>2</sub> savings and much more.

If needs are changing, simply add additional storage units at your convenience, even with the benefit of next generation cell technology – they aggregate seamlessly and operate as one system.

## Lift 'n' drop

Realize critical time savings with the single box design equipped with enhanced lift 'n' drop features. Front access to all important connections provides for easy service and installation.

## Data security

Compliance and data security is handled through our own control software with a secure gateway safeguarding your data and access.

Performance data are all stored in EU based data centers and access is managed through Microsoft Azure Identity Management.



# BAT-215

## Store Smart, Scale Fast, Save More

TECHNICAL PROPERTIES:		BAT-215
Power (charge/discharge)	100kW (110 kW peak)	
Optional backup functionality	Yes, requires separate Xolta backup unit (single unit)	
Power delivery	500ms <i>Enabling ancillary services</i>	
Usable capacity	215 kWh(dc side) 200kWh (AC side)	
Battery chemistry	Li-ion LFP	
Nominal battery voltage	768 V DC	
Battery voltage range	672-876 V DC	
Grid connection voltage*	3 x 400V AC (3L/N/PE) <i>*Higher voltage levels feasible with transformer,</i>	
Nominal battery voltage	384 V DC	
Battery voltage range	348-438 V DC	
Grid connection voltage*	3 x 400V AC (3L/N/PE) <i>*Higher voltage levels feasible with transformer,</i>	
Battery system efficiency**	89% <i>**round-trip efficiency AC</i>	
Standby power consumption	100W	
Cycle life	>8000 @ 70%EoL	
Maximum thermal management	Cooling 2500W, Heating 300W	
Ambient operating temperature***	-25°C to 55°C <i>*Power derating may occur</i>	
Parallel coupling	Ability to couple multiple racks in parallel	
Cabinet	Coated, vandal resilient steel enclosure	
Dimensions	D1500mm x W1040mm x H2200mm	
Weight	2500 kg per rack	

STANDARDS AND COMPLIANCE:	
Battery system:	CE: Safety, health, and environment
	UN38.3 classification for safe transportation
	IEC 62619/IEC 60730-1 appended H/IEC 62477-1/IEC 61000-6-2,4/
Supported grid codes	TF331 A+B; 50549; VDE4105; VDE4110;
Data	Operational data is handled by a local linux system and MS Azure with storage in Ireland
Protection rating	IP54
Noise	<75 db @1m
Fire suppression	Aerosol
Performance warranty	10 years / 70%