



## 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.

# + HEIM Smart – Energy Savings and Security

## The ideal multipurpose battery

Take advantage of advanced energy optimization with up-to 5kW AC power, 11kW DC solar input and 23kWh energy in HEIM Smart, our 3rd generation residential energy storage system.

## Smarter Energy Storage. Bigger Savings.

HEIM Smart equals Intelligent energy security.

It's the smart choice for homeowners who wish to control energy spend and safeguard family life from sudden interruptions in supply of electricity. It is an investment that pays in more than one way.

Switch on the intelligent energy optimization, lean back and rest assured that the HEIM Smart watches over your energy economy day and night.

Take advantage of advanced features such as Holiday Mode or Energy Arbitrage and benefit from additional savings while you enjoy time away from home.

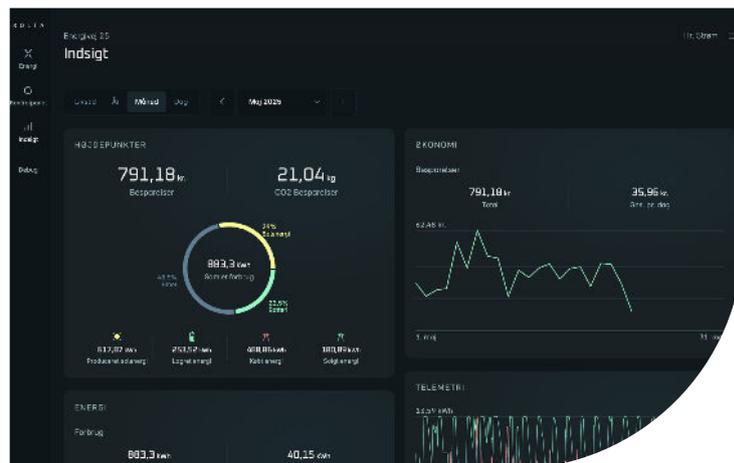
A series of easy-to-read screens presents the day's energy plan and takes you through your XOLTA HEIM Pro battery current and past performance.

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 appear as one system in the app.

## Save more with intelligent energy modes

- Advanced energy optimization
- Peak shaving
- Energy arbitrage



# + XOLTA HEIM Smart

## Stay safe and connected with fast energy back-up

TECHNICAL PROPERTIES:	HEIM Smart
AC Power	6kW - 10kW
PV input	11kW (2 mppt inputs)
Mppt range	120-950V (Start voltage 90V)
Optional backup functionality	6kW - 10kW
Backup transition time	20mS
Nominal capacity	5,75 to 23kWh (Battery module 5,75kWh)
Battery chemistry	Li-ion LFP
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**	90% <i>**round-trip efficiency AC</i>
Standby power consumption	50W
Cycle life	>6000 @ 70%EoL
Ambient operating temperature***	-10°C to 45°C <i>*Power derating may occur</i>
Parallel coupling	Optional ability to couple up to 4 inverter units in parallel
Cabinet	Wall cover coated in aluminum
Dimensions	D252mm x W850mm x H1400mm (1 x inverter +1 battery module)
Weight	90kg (1 x inverter + 1 x battery module 6kWh)

STANDARDS AND COMPLIANCE:	
Battery system:	CE: Safety, health, and environment
	UN38.3 classification for safe transportation
	IEC 61000-6-2, IEC 61000-6-3, EN 62109-1, EN 62109-2
Supported grid codes	TF331 A; 50549
Over Voltage Category	III(AC side), II(DC side)
Data	Operational data is handled by a local linux system and MS Azure with storage in Ireland
Protection rating	IP65 for door use (recommended)
Noise	< 40db, Fan less
Performance warranty	Up to 10 years / 70%