

PixiiHome

Residential energy storage up to 20kW

Increase your energy independence. Optimize your energy consumption by charging your batteries with excess energy from the sun or by charging your batteries from the grid when electricity tariffs are low. Spend your stored energy when you need it.



Peak shaving



PV self consumption



Arbitrage



Smart Home Hub

Pixii Home comes with build in smart home hub that allows you to further cut your consumption by deactivating energy hungry loads when electricity tariffs is high.

Pixii Home is a modular energy storage which allows you to add more capacity as your energy need increases.

We are very proud of our Nordic roots where powerful innovation is paired with a functional and clean exterior design and our user-friendly app to control, manage and monitor your energy storage.

The base model comes with 10kWh nominal capacity with the option to increase up to 20kWh, simply by adding more batteries. Pixii Home is simple to use and easy to install in less than 40 min.

With our LFP batteries we can guarantee more than 70% capacity after 10 years of operation and 4000 cycles.

We offer an optional 10 year warranty and local support agreements in Germany and Norway.

Flexibility made simple

Highlights

- Multi-functional software driven converters for unprecedented flexibility and scalability - up to 20kW
- 48Vdc safe installation and operation
- Pixii Smart Home Hub included with integrated smart home app functionality
- 80% capacity guarantee for the first 10 years or 4 000 cycles
- Triple level safety protection with battery fuse and battery breaker
- Batteries with multiple safety measures
- Plug and play cloud service installation
- Simple and user-friendly app with extended energy management features

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Performance data		Performance data	
Max power (bi-directional)	Up to 20kW	Minimum operating temperature	5 °C
Nominal AC voltage	230/400Vac	Maximum operating temperature	50 °C
Integrated MPPT option (solar converter) – Up to	10kW peak	Dimensions (w x d x h)	689 x TBC x 1667 mm
Optional external AC input/output	3,3kW	Weight (fully equipped)	TBC
Frequency	50 Hz	Cabinet protection class	IP 55
Scalable battery capacity	5-20kWh	Communications protocols	TBD M-bus, Modbus RTU, TCP/IP Ethernet, Wi-Fi
Number of cycles (80% DoD)	>4000	Pixii Smart Home Hub	TBC
Nominal battery voltage	48Vdc		

Functions

Pixii Connect App	TBC - Plug and play cloud service installation
Pixii Smart Home App	Simple and user-friendly app with extended energy management features including monitoring, management and control.
Smart Home Hub	Control your power hungry equipment to consume power when the cost tariffs are low and schedule heating or cooling of your home when you are not at home.
Peak shaving	Reduce your demand charge and save cost by shifting your power dependency from grid to battery, shaving the peaks off your power consumption.
Arbitrage	Support loads from battery when electricity rates are high, and charge battery when rates are low.
PV self-consumption	Get the most out of your solar investment and reduce your dependency on the grid through smart power management, enabling you to re-direct excess power generation to batteries for later use during peak hours.
DC or AC coupled solar	With integrated MPPT functionality the PixiiHome is a complete DC coupled hybrid system. Our technology can also operate with most grid tied PV inverters, in on or off grid mode, ensuring optimal value of existing solar plants.
Back-up power	Protect your network against power cuts with our smart battery storage system kicking in to ensure emergency power.
Flexibility markets	Unlock the value of your battery energy storage system and monetize your system's flexibility by selling stored energy or providing ancillary services, such as frequency regulation, to the electricity grid.

Applicable standards

Safety	IEC/EN 62109-1, IEC/EN 62109-2, IEC/EN 62040-1, IEC/EN 62477, (Batteries) IEC 62619, IEC 62368, UN38.3, AS/NZS 4777-2 (2020)
Grid	AS/NZS 4777-2, VDE-AR-N 4105, 50549-1, TF 3.3.3 B1, EREC G99 (others pending)
EMC	IEC/EN 61000-6-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4
Environment	ETSI EN 300 019:2-1 (Class 1.2), ETSI EN 300 019:2-2 (Class 2.3), ETSI EN 300 019:2-3 (Class 3.2)