

# Pixii Home

Flexibility made simple

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



Flexibility markets

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.

With our LFP batteries we can guarantee more than 80% capacity after 10 years of operation and 4 000 cycles.

## Flexibility made simple

## Highlights

- Multi-functional software driven converters for unprecedented flexibility and scalability - 10kW to 20kW
- 48Vdc safe installation and operation
- 80% capacity guarantee for the first 10 years or 4 000 cycles
- Triple level safety protection with battery fuse and battery breaker
- LFP batteries with safe battery chemistry
- Plug and play cloud service installation
- Simple and user-friendly app with energy management features

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## Modular battery energy storage (AC)

| Performance data                  |                           | Performance data              |                     |
|-----------------------------------|---------------------------|-------------------------------|---------------------|
| Max power (bi-directional)        | 18kW to 20kW <sup>1</sup> | Minimum operating temperature | 5° C                |
| Nominal AC voltage                | 230/400 Vac               | Minimum ambient temperature   | -20° C              |
| Scalable battery nominal capacity | 10 - 20 kWh <sup>2</sup>  | Maximum operating temperature | 45° C               |
| Frequency                         | 50 Hz                     | Maximum ambient temperature   | 45° C               |
| Nominal battery voltage           | 48Vdc                     | Dimensions (w x d x h)        | 387x 684 x 1 717 mm |
| Number of cycles (80% DoD)        | 4 000 cycles              | Weight (fully equipped)       | 156-246 kg          |
| Cabinet protection class          | IP 55                     | Altitude                      | 2 000               |

1) Depending on SoC and battery modules

2) Depends on how the PV is installed. 80% effective battery capacity of nominal battery capacity

| Functions           |  |
|---------------------|--|
| 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 through 3rd party integration.   |
| 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.                             |
| 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 through 3rd party integration. |

| Applicable standards |   |
|----------------------|---|
| Safety               | IEC/EN 62109-1, IEC/EN 62109-2, IEC/EN 62040-1, IEC/EN 62477-1, (Batteries) IEC 62619, UN38.8 |
| Grid                 | EN 50549-1, TF 3.3.1, (VDE-AR-N 4105, EREC G99) <sup>3</sup>                                  |
| EMC                  | EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-3  |
| Environment          | ETSI EN 63000, ETSI EN 300 019:2-3 (Class 3.2)  |

3) Only valid for the PixiiBox