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.

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.

Save money

Store energy from the sun to power your home with free, clean, renewable electricity when you need it. And with Arbitrage you can store energy from the grid when its cheap to use when electricity cost is high.

Peak shaving allows you to cut service fees to your grid supplier by shaving off the peaks of your energy consumption.

Generate income

Get paid for renting out battery capacity to help support your local grid, through ancillary services like FFR, FCR and FCAS the grid when its cheap to use when electricity cost is high.

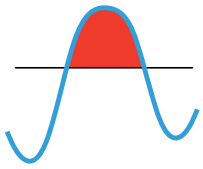
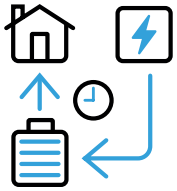
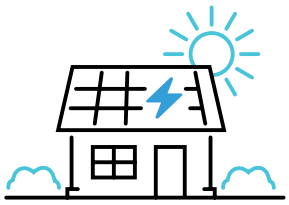
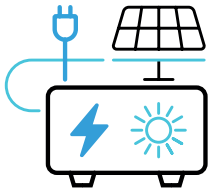
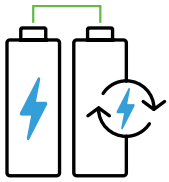
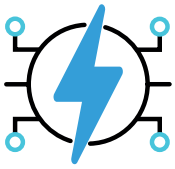
Highlights

- Multi-functional software driven converters for unprecedented flexibility and scalability - 10kW to 20kW
- ~48Vdc safe installation and operation
- 10 years or 10 000 cycles[1)] with 70% capacity guarantee
- 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

1) Whichever comes first.

Technical specifications	Pixii Home 10/10	Pixii Home 20/20	Extension Kit 10/10[2)]
Max AC Power	10kW	20kW	+10kW
Nominal AC Voltage	230/400 V		
Frequency	50Hz		
Peak Efficiency Pixii Box	96,50%		
Battery specifications			
Nominal capacity	10kWh	20kWh	+10kWh
Cell chemistry	LFP (Lithium Iron Phosphate)		
DC battery voltage range	40 - 57.75 V		
DC battery nominal voltage	51,2 V		
Depth of Discharge (DoD)	80%		
Discharge current (continuous)	100A		
Operating conditions			
Ambient temperature	-20°C - 45°C		
Operating temperature	5°C - 45°C		
Humidity	5% - 95% RH (Non-condensing)		
Acoustic noise (max)	<60dBA at 1m distance		
Altitude (max)	2000m		
Cooling system	Fan		
Heater	Yes		-
Degree of protection (cabinet)	IP55		-
Interface			
Communication	Ethernet LAN, Modbus, MQTT, (Wi-Fi for commissioning)		
LED indicators	Yes		-
Physical properties			
Dimensions HxWxD (mm)	1717 x 684 x 387 mm		-
Weight (kg)	156	246	90
Warranty			
Warranty	10 years or 10.000 cycles (70% SoH)[1)]		
Standards & certifications			
Safety	IEC/EN 62109-1, IEC/EC 62109-2, IEC/EN 62040-1, IEC/EN 62477-1		
Battery	IEC 62619, UN38.3		
Grid	EN50549-1:2019 Type A & B, (VDE-AR-N 4105:2018-11, EREC G99 Issue 1 – Amendment 6, 09 March 2020 Type A)[3)]		
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)		

1) Whichever comes first , 2) Requires Pixii Home cabinet/base system (sold separately), 3) Only valid for the PixiiBox

Peak shaving	Arbitrage	PV self-consumption
		
Reduce your demand charges and save costs by shaving the peaks of your power consumption.	Support loads from the battery when electricity rates are high, and charge the battery when electricity rates are low.	Get the most out of your solar investment and reduce your dependency on the grid through smart power management, enabling you to direct excess energy to batteries for later use during peak hours.
DC or AC coupled solar	**AC back-up**	**Flexibility markets**
		
With integrated MPPT functionality the Pixii BESS 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 installations.[4)]	Secure energy independency during power outages or grid restrictions.[4)]	Unlock the value of your battery energy storage system and monetize your system's flexibility by offering available capacity to ancillary services like FFR, FCR, standard ramp FCAS services and more.

4) Available from Q4 2024