

# Pixii Home

## Hybrid

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 take pride in our Nordic roots where powerful innovation is paired with a functional and clean exterior design with local support and expertise, our user-friendly app allows you to easily control, manage, and monitor your energy storage system.

The Hybrid model comes equipped with 3 MPP trackers, supporting up to 15kWp of PV, and features 10kW grid-facing bidirectional PixiiBox modules for efficient energy management. It offers a 10kWh nominal battery capacity, with the flexibility to expand up to 20kWh by simply adding more batteries. Pixii Home is designed for easy installation and user-friendly operation, making it an ideal choice for installers.

### 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 reduces service fees to your grid supplier by cutting down the peaks in your energy consumption. For consumers with variable tariff contracts, it also helps lower high demand charges during times of high consumption, reducing monthly bills and supporting better grid stability.

### Generate income

Earn money by renting out your battery capacity through VPP programs offered by local energy retailers. Contribute to grid stability by supporting ancillary services like FFR, FCR, and FCAS, and get paid for helping balance the grid.



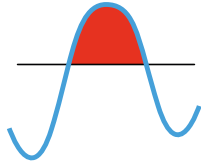
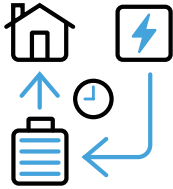
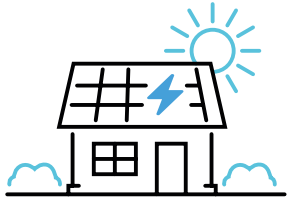
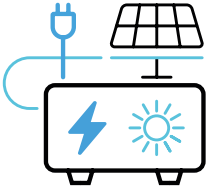
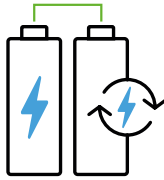
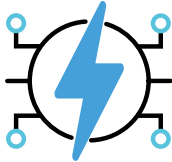
### Highlights

- Multi-functional software driven converters for unprecedented flexibility and scalability
- ~48VDC safe installation and operation
- 10 years or 10 000 cycles<sup>1)</sup> with 70% capacity guarantee
- Triple level safety protection with battery fuse and battery breaker
- LFP batteries with safe battery chemistry and snap-on connectors
- Plug and play cloud service installation
- Simple and user-friendly app with energy management features

<sup>1)</sup> Whichever comes first.

Technical specifications	Pixiihome 10/10/10 Hybrid	PixiiHome 10/10/20
Max AC Power / Max MPPT Power / kWh capacity	10kW / 10kW/ 10kWhr	10kW / 10kW/ 20kWhr
Nominal AC Voltage	230/400 V	
Frequency	50Hz	
Peak Efficiency Pixii Box	96,50%	
<b>Solar (PV) input specifications</b>		
Maximum Power (kW)	15	
Maximum Power per MPPT (kW)	5	
Max PV Power to battery per MPPT (kW)	3,3	
Max PV Power to battery (kW)	10	
Maximum DC input voltage (V)	420	
MPPT DC voltage range (V)	100-400	
Quantity of MPPT / PV strings per MPPT	3 (1/1/1)	
Maximum Current per MPPT (A)	14	
Maximum short-circuit current per MPPT (A)	15	
<b>Battery specifications</b>		
Nominal capacity	10kWh	20kWh
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%	
Charge / Discharge current (continuous)	100A (1c)	
<b>Operating conditions</b>		
Ambient temperature	-20°C - 45°C	
Operating temperature	5°C - 45°C	
Operating 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	
<b>Interface</b>		
Communication	Ethernet LAN, Modbus, MQTT, (Wi-Fi for commissioning)	
Display	LED	
<b>Physical properties</b>		
Dimensions HxWxD (mm)	1717 x 684 x 387 mm	
Weight (kg)	162	246
<b>Warranty</b>		
Warranty	10 years or 10.000 cycles (70% SoH) <sup>1)</sup>	
<b>Standards &amp; certifications</b>		
Safety	IEC/EN 62109-1, IEC/EC 62109-2, IEC/EN 62040-1, IEC/EN 62477-1, CEC Pending (Australia)	
Battery	IEC 62619, UN38.3	
Grid	AS/NZS 4777.2:2020, EN50549-1:2019 Type A & B, (VDE-AR-N 4105:2018-11, EREC G99 Issue 1 – Amendment 6, 09 March 2020 Type A) <sup>2)</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)	
Australian Consumer Compliance	Compliant to the 'Best practice Guide for Battery Storage Equipment - Electrical Safety- Pre Assembled Integrated battery energy storage systems equipment - Method 3, mandatory requirements	

1) Whichever comes first, 2) Only valid for the PixiiBox

Peak shaving	Arbitrage <sup>3)</sup>	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. <sup>4)</sup>	Secure energy independency during power outages or grid restrictions. <sup>4)</sup>	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.

3) Features like Arbitrage will soon be available directly through our app in 2025. In the meantime, this functionality is accessible via third-party EMS integration.

4) Available from Q4 2024