



ENERGY MANAGEMENT SYSTEM

INTELLIGENT INVERTER CONTROL IN BATTERY SET-UPS.

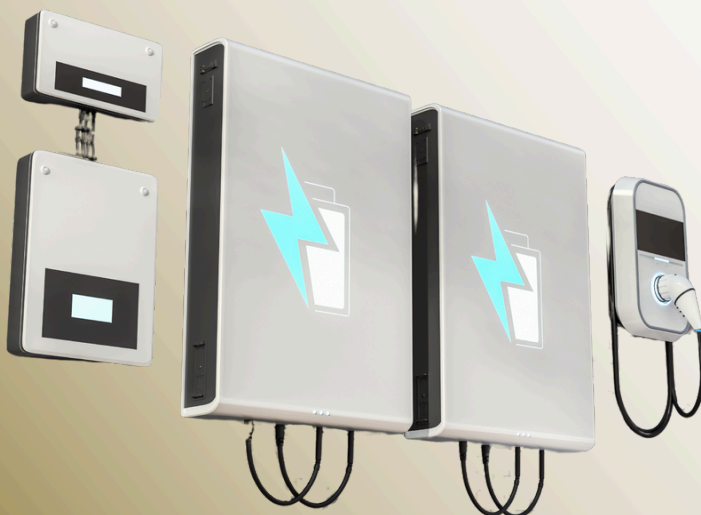
Create. Connect. Combine. **The Unthinkable.**

THE CHALLENGE

One of the biggest challenges in battery storage systems today is their relatively **slow return on investment** (ROI). Many users struggle to recoup their investment within a reasonable timeframe, primarily due to **inefficient energy management** and a lack of integration with dynamic electricity pricing. Additionally, the **energy grid is often misaligned** with actual consumption patterns, leading to wasted energy and suboptimal financial outcomes for battery owners.

Talemate provides **a game-changing solution** by integrating advanced energy management with real-time market insights. By continuously analysing energy prices and user consumption, the system ensures that **batteries charge when prices are low and discharge when prices are high**. This dynamic approach not only **accelerates ROI by selling or buying energy when the price is right**, but also helps **balance the energy grid**, making power usage more efficient and cost-effective.

With intelligent automation, users maximize their savings while contributing to a smarter, more resilient energy network service.



THE TALEMATE OFFER

Talemate provides **an advanced energy management solution** that transforms battery storage into an intelligent, profit-maximizing system. By integrating real-time data with automated control, the Talemate Platform ensures that batteries are charged and discharged at the most advantageous moments. This **smart automation boosts financial returns** and **enhances energy efficiency**, reducing reliance on grid power and maximizing the use of renewable energy.

At the core of Talemate's offering is a seamlessly **integrated hardware-software solution**. A dedicated hub, installed alongside the inverter, connects to the Talemate cloud, where powerful algorithms analyse energy prices, consumption patterns, and solar production forecasts. **Talemate enables real-time adjustments through a direct, dynamic connection, ensuring optimal battery performance**. Gradually, Talemate is integrating IoT into the mix, even further advancing the energy alignment and optimal steering of all energy consumption.

Talemate empowers users with a **highly intuitive dashboard and mobile app**, providing full visibility into energy consumption, battery status, and cost-saving opportunities. Customers can customize their dashboard to track key metrics such as self-consumption, total energy usage, and financial savings. Users remain in control of their energy decisions, making it easier than ever to optimize energy usage and maximize returns.

In this package

HARDWARE

A dedicated hub of the highest quality, to be connected to the battery inverter.

The hardware can be purchased or leased.

SOFTWARE

The **Talemate Platform** software and algorithms to control, guide and steer your energy supply.

*The **Talemate Platform** installation is bought once and the software remains operational under a monthly licensing fee arrangement.*

INSTALLATION

A swift connection to your battery installations with minimal adaptations to connect seamlessly with your systems.

Technical specifications

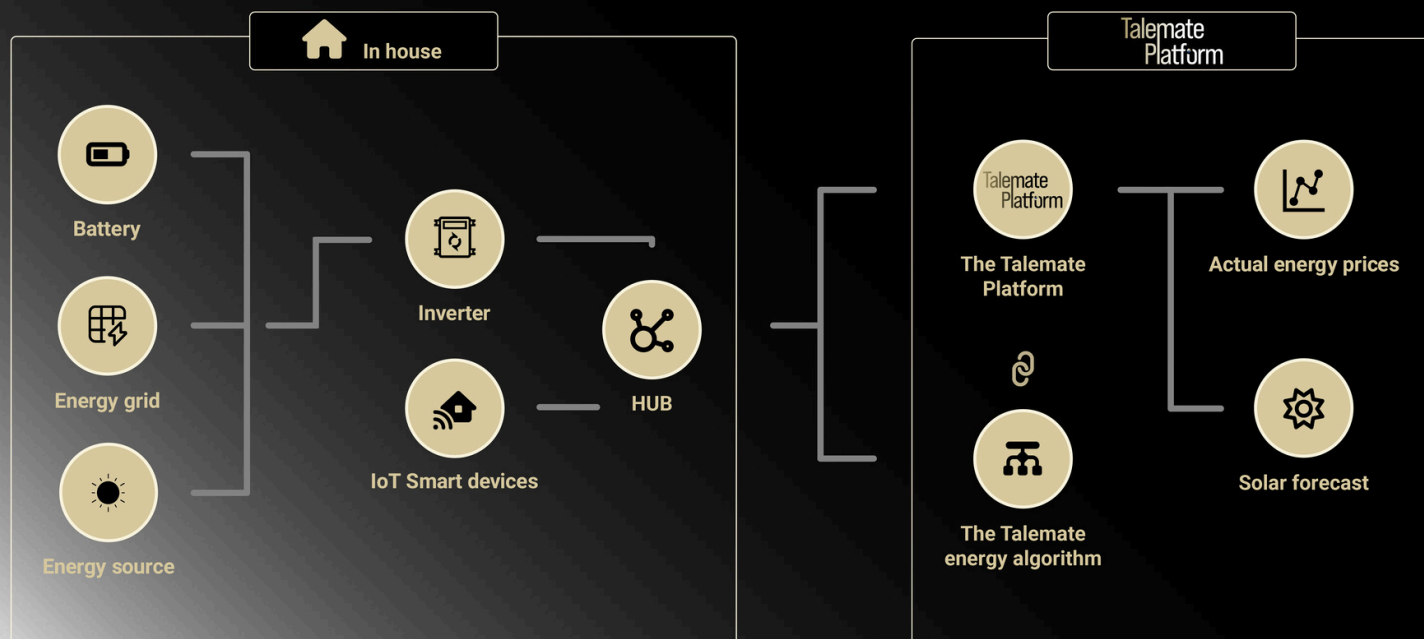
HARDWARE

- Hub connected to inverter
- Plug and Play
- WiFi and LAN connectivity

SOFTWARE

- Input from actual energy prices
- Smart algorithm based steering
- Cloud based
- Fully open API
- MQTT-compatible
- Multi language control
- Integration with IoT devices
- Dashboard application

Talemate Energy Management System



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Talemate
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CONTACT US

Zandvoordestraat 444
8400 Ostend
Belgium

+32 59 20 03 05
info@talemate.co