



# Rebaba

## Companion



Rebaba

Companion  
40 kWh

**You are the ones** turning  
ambition into infrastructure.

The ones who electrify fleets and  
roads, modernise buildings,  
stabilise operations and make  
the green transition real.

# For the Change Makers

Rebaba Companion is the heart  
of your energy system.

It is built to back you up, with  
resilient power where it matters,  
smart steering that improves  
economics, and a system that  
adapts to your site, not the other  
way around.

 **Rebaba**

Designed and made in **Sweden**.

## Solar.

Use up to 100%.

## Peaks.

Cut up to 55%.

## Price.

Up to 25% lower  
electricity price.

## Backup.

For hours & days.

## +Power.

In ~~years~~ months.

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## The intelligence layer

Rebaba Energy Control is our intelligent energy management system (EMS). With advanced AI, it learns your site, anticipates demand and continuously optimises energy flows to improve economics and resilience.

It automatically shifts load, shaves peaks and balance the grid while adapting in real time to market data and your operations.

# Circular by design. Competitive by nature.

Rebaba Companion is built on a circular battery approach that improves both footprint and finances. By reusing high quality EV batteries, the system reduces embedded emissions, supports long lifetime operation and delivers lower total cost of storage.

No green premium. Simply better unit economics and real impact.

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## Save 100 kg CO<sub>2</sub> per kWh

Research shows that by upcycling batteries, you are doing the environment a true favor.

## Automotive grade

Batteries are the core component of cars, and car manufacturers put all their efforts into building the best battery systems.

## Grade A-cells only

With the highest energy density and lifetime, our batteries use only grade A battery cells.

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## Keep operations running, no matter what.

As electrification increases demand, reliability becomes a competitive advantage. Rebaba Companion helps you stay resilient during outages and grid constraints by supplying critical loads and enabling secure autonomous operation.

It works automatically, with secure connectivity that ensures the system is monitored and controllable at all times.

### Uninterruptible power supply (UPS)

No more worries about costly interruptions from power blips, with disruption-free power.

### Island mode

With your Rebaba battery, you can keep operations running in island mode for hours and days with backup power.

### Over the air updates

We keep pushing functionality, safety and stability, and your battery will always stay up to date with the latest innovations.

# The battery you never have to think about

Rebaba Companion is designed for worry-free ownership. Long warranties, low maintenance and local support keep your energy storage reliable and high-performing over time.

With established service partners and Swedish technical operations, your system stays in good shape without demanding attention.

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## 10 000 cycles always included

Full-system warranty covering all components for 10 000 cycles or 10 years.

## Endless Battery

Add our lifelong full-system warranty, Endless Battery. Unlimited cycles, endless lifetime.

## Swedish support

You can always get assistance from our Swedish tech support. Always close at hand whenever you need it.

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## Safety you can trust, designed from the inside out

True safety is invisible when it works. Rebaba Companion is built with automotive grade technology, layered protection and 24/7 monitoring to deliver safe operation throughout its lifetime.

From early detection to controlled shutdown, every safety response is automatic, predictable and designed to protect what matters most.

### State of the art BMS

Automotive grade battery management system (BMS) designed and tested to the highest standards for safe operations.

### Safety layers covering all scenarios

The safety system is designed to prevent, react and protect, with a fire-safe installation guide to follow. Fully dedicated to safety.

### 24/7 monitoring

We monitor all aspects of your battery system, from cell level voltage to AI degradation models, all to track and mitigate anomalies.

## Battery Specs

Energy	40 kWh - 400 kWh.
Power (max)	40 kW - 400 kW.
C-rate	0.25 - 1.0 C.
Nominal Voltage (V)	350V (DC)
Max Current (A)	125 - 1250A (DC).
Chemistry	NCA.
Battery Type	Automotive Grade Upcycled Lithium Ion Battery.

## Battery Format

Cabinet dimensions (mm)	1600x1900x400 (WxHxD).
System Weight (kg)	580 kg per cabinet.
Number of cabinets	1 - 10.
Placement	Indoors / Outdoors on foundation.
Ingress Protection	IP55.
Installation	Pre-assembled in factory. Plug and play onsite.

## Battery Operations

Ambient Temperature	-20°C to +45°C.
Humidity Tolerance	Up to 95% non condensing.
Cooling	Forced air / Liquid cooling.
Warranty	Full system 10 years or 10 000 cycles / Endless Battery with lifetime full system warranty.

## System Architecture

Size selection	Modular. Select capacity and power to your needs.
Inverter	Integrated with most brands.
Aggregator	Agnostic.
Battery Upgrades	Yes. Swappable Batteries Technology.
Branding	Yes. Select colors and print your logo.

## Sustainability

New / Circular	Circular (upcycled EV batteries).
Climate footprint, batteries	Net zero batteries. Save 100 kg CO <sub>2</sub> per installed kWh.
End of life management	Yes. Rebaba has extended producer responsibility (EPR).

## Energy Control

Energy Management System (EMS)	Yes. Rebaba Energy Control / Rebaba Energy Control Pro / Third-party EMS.
User Interface	Rebaba Cloud.
Behind the meter (BTM) optimisation	Peak shaving. Price arbitrage. Solar storage and load shifting.
Front of meter (FTM) optimisation	Backup and uninterruptible power supply (UPS).
Demand forecasting	Multi-market optimisation and bidding.
Lifetime optimisation	Advanced AI pattern recognition.
Asset control	AI Degradation models.
Data storage	Control battery, energy production (wind / solar), EV chargers.
Free version	Within EU.
	Yes, available.

## Battery Dimensioning

Dimension battery size	Rebaba dimensions suitable battery sizes.
Battery simulations	Rebaba performs battery simulations on real-life energy data for business case and investment material.

## Operational Reliability

Backup power for critical loads	Yes. Dimensioned to suit your operations.
Uninterruptible power supply (UPS)	Yes. Dimensioned to suit your operations.
Internet connection	Ethernet / WiFi. Cellular (5G) available as add-on.
Updates	Over the air updates for software and system upgrades.
Technical Support	Swedish & English technical support.

## Safety

Prevention	Automotive grade battery management system (BMS). Integrated HVAC for thermal stability.
React	24/7 remote monitoring with automatic de-rating and safe shutdown. Physical internal fuses. Manual emergency stop.
Protection	Enclosure. Aerosol fire extinguishing system. Integrated/external firewalls (EI), fire gas ventilation. Fire-safe installation.
Fire-safe installation manual	Yes. Fire-safety installation guide and checklist authored by third-party fire-safety experts.



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# For the change makers

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**You are the ones** turning ambition into infrastructure. The ones who electrify fleets and roads, modernise buildings, stabilise operations and make the green transition real.

Made in **Sweden.**  
**Sustainable.**  
**Profitable.**  
**Circular.**

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