

BeeBattery
home



**SUSTAINABLE
STORAGE**





HIGH PERFORMANCE EQUIPMENT.

At **BeePlanet Factory™** we design and implement technological projects that maximize the integration of e-mobility and renewable energies. In addition to consulting and software solutions, **our main division is the one dedicated to energy storage systems: BeeBattery™**



New energy models are arising nowadays that allow us not only to produce our own energy through wind and photovoltaic farms, but also to accumulate and consume it whenever we want.

Our engineering department, made up of experts in electric mobility, renewable energies and digital development, was clear from the outset what the best option would be: **to reuse the batteries removed from the electric cars.**

These batteries maintain **high potential performance in** a different application than the original, such as **energy storage for domestic and industrial purposes.**

Optimizing batteries for a second life is a **technical challenge that we take on with desire and has been recognized by institutions and large companies.** We envisage advanced answers in this field:

1. Low-scale.



Low-scale energy storage (solutions from 4kWh) for private and public building self-consumption: BeeBattery™ Home

3. Large-scale.



Large-scale energy storage (solutions from 132kWh) optimizing the grid through wind and photovoltaic parks

2. Mid-scale.



Mid-scale energy storage (solutions from 17kWh) for industrial self-consumption aiming to save on the electric bill

4. Other applications.



Alternative vehicles with lower performance, such as AGVs or forklifts



24-HOUR CLEAN, CHEAP AND SUSTAINABLE ENERGY.

BeeBattery™ Home – sustainable storage- allows you to make the most of your investment in photovoltaic solar energy.

Solar energy needs the help of our storage system to meet the demand of a home or community of neighbors after sunset. Also, for specific situations, such as when the power grid is cut off.

BeeBattery™ Home is manufactured in Spain with the highest standards of safety and quality, reusing the same batteries found in electric vehicles of the main automotive brands, optimized with our technology.



**ELECTRIFYING
FUTURE**





BeeBattery™ Home: OUR 8 BUZZES.



Automotive power in your home.

Battery control technology adapted to second life. Our batteries are high-end, as the automotive industry requires them to meet very demanding standards of capacity, reliability and performance.



Security.

Meets the strict quality standards required in automotive. Moreover, we have certified our batteries to the most rigorous standards needed for stationary storage.



Independent and always on duty.

Maintain your network independence thanks to the island mode of our batteries. With power backup so there are no outages in case of power failure.



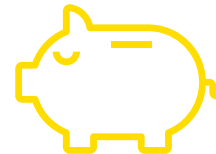
Circular economy.

In addition to have clean and sustainable energy 24 hours a day, NISSAN® second life batteries allow to revalue a waste and extend its lifespan.



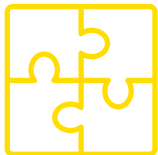
Own technical service.

Our technical team knows the product in depth. We manufacture it and we support it. Express contact via phone or chat.



Saving your bucks.

The high quality of our batteries allows you to make the most of the solar energy to store it and dispose of it at any time, saving on your electricity bill. In addition, we offer the most cost-effective lithium ion systems for stationary storage.



Robust, modular and easy to install.

Protected external system, maintenance-free and prepared for plug and play. It is installed through a professional service in garages, DIY areas, warehouses, basements, mountain houses or even farms.



Connectivity.

We monitor the operation of the battery in order to provide the customer with online data about its use and prevent any possible failure by correcting them in advance.



DATASHEET

BATTERY

| | |
|--|----------------|
| Battery type | EV Second Life |
| Chemistry | LMO |
| Number of modules | 12 modules |
| Nominal capacity (Wh) | 4000 Wh |
| Nominal capacity (Ah) | 45 Ah |
| Maximum charge and discharge power | 4000 W |
| Nominal voltage | 90 V |
| Operating voltage | 72 V - 100 V |
| Maximum current | 50 A |
| Depth of Discharge (DoD) | 90% |
| Estimated equivalent cycles (90% DoD, 25°C) | > 2000 cycles |

GENERAL SPECIFICATIONS

| | |
|--|---|
| Working temperature | 5°C - 40°C |
| Operating humidity | 5% - 90% relative humidity |
| Weight | 60 kg |
| Dimensions (Height x Width x Depth) | 500 x 750 x 300 mm |
| Enclosure | GRP Polyester cabinet reinforced with fiberglass |
| IP Rating | IP 43 |
| IK Rating | IK10 |
| Modularity | Yes |
| Optimum location | Indoor and ground-level |
| Envelope with self-extinguishing material | Yes (960°C) |
| Natural ventilation | Yes |
| Resistance to chemical and corrosive environments | Yes |
| Double insulation | Yes |
| Communications | BUSCAN, Bluetooth, Wifi |
| Protections | Overcharge, overdischarge, overcurrent, overheating |
| Warranty* | 2 years |

CERTIFICATIONS AND CE MARKING

| | |
|---|--|
| Enclosure | IEC 62208 UNE-EN 62262 UNE 20672 |
| Battery | IEC 62619 |
| EMC Electromagnetic Compatibility (2014/30/EU) | UNE-EN 61000-2/4 |
| Electrical Safety Low Voltage Directive (2014/35/EU) | UNE-EN 61439-1 |

*Warranty protection subjected to operating conditions specified in the user manuals and installation guide included in BeeBattery™ Home pack



ELECTRIFYING FUTURE

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factory

Pol. Ind. Mocholí, plaza CEIN 5 of. D-5
31110 Noáin- Navarra (Spain)
info@beeplanetfactory.com
+34 699 297 404
BeePlanetFactory.com