

BHive® controls every asset on your site in real time

Batteries, PV, grid, loads and EV chargers on a single platform, with remote access.

BHive® EMS

BeePlanet's own energy management system. Local on-site control, remote visibility and an engineering team behind it.

INSTALLATIONS

+90

managed with BHive®

MONITORING

24/7

remote, with alerts

OPTIMISATION

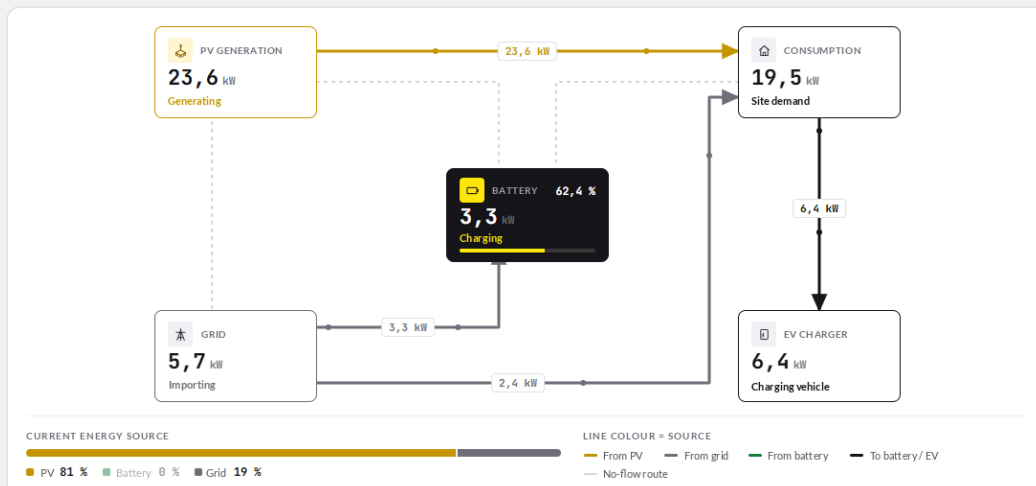
15 min

per strategy cycle

AVAILABILITY

>99 %

across all sites



BHIVE® • PLANT

Illustrative example

Local on-site control

No cloud dependency: it keeps running even if the internet goes down.

Works with any brand

Inverters, batteries and chargers from the leading manufacturers.

Remote visibility

Multi-user web platform with real-time data, alerts and control from any device.

Encrypted communications

ISO 27001 certified information security.

SUPPORT

Daily review by BeePlanet's engineering team, so you don't have to worry

Every site, every day

we review how it runs and how the Optimizer performs

We detect and act

whenever a site behaves abnormally

No black boxes

we explain the reasoning behind every decision

COMPATIBLE WITH Sungrow / Huawei / SMA / Fronius / Ingeteam / Power Electronics / CHNT / Janitza / ABB / Kempower / Alpitronic / Vega Chargers

BeePlanet Factory S.L.

info@beeplanetfactory.com

+34 948 23 43 86

beeplanetfactory.com

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The Optimizer decides when to charge and discharge, every 15 minutes



BHIVE® · OPTIMIZER

Illustrative example

OMIE arbitrage

Charges when prices are low, discharges when they are high.

PV and load forecasting

Anticipates how much your site will generate and consume.

Battery health

Cycles only when savings outweigh wear.

Balancing markets

Extra revenue from grid balancing services.

No power overruns Reserve for bad days Offline safe mode 100 % remote activation

TECHNICAL DATA

Phoenix Contact industrial hardware, made in Europe

Power supply	24 V DC · 650 mA
Protection	IP20
Protocols	Modbus TCP · Modbus RTU · OPC-UA · MQTT · REST API · FTP · VPN
Interface	Monitoring and configuration HMI

STANDARDS

Electrical safety	cULus E238705
Explosive atmospheres	ATEX Class I Zone 2 · IITS2 029429 0027
Cybersecurity	IEC 62443-4-2 SL2 · IEC 62351-3 · IEC 61850 · IACS IE366272
Zero export	RD 244/2019 · UNE 217001:2020
CE marking	EMC and LVD Directives

QUALITY
ISO 9001

ENVIRONMENT
ISO 14001

CYBERSECURITY
ISO 27001

HARDWARE
Made in Europe

BHive® EMS

BeePlanet's own energy management system. Mathematical, explainable optimisation on certified industrial hardware.

01 Platform

02 Optimizer & specs