

BHive® EMS

Optimize and control your energy with maximum precision and efficiency. Built on the experience of over 80 real storage projects.

+90MANAGE
INSTALLATIONS**+99%**PLANT
AVAILABILITY**24/7**REMOTE
MONITORING**15 min**

OPTIMIZATION

CENTRALIZED CONTROL • MULTI USER WEB INTERFACE

BHive® Proprietary EMS

Intelligent local control. Monitors and optimizes all energy assets in the installation autonomously, independent of connectivity.

Web Platform 24/7

Multi-user platform with real-time visibility, remote control, proactive alerts and global access from any device.

Flexible & Agnostic

Compatible with all major inverters, batteries and chargers. No hardware brand dependency, total integration freedom.

Cybersecurity ISO 27001

Encrypted and certified communications. Industrial protocols: OPC-UA, MQTT, Modbus TCP, REST API, FTP and VPN.

The Optimizer: Multiplies the savings of your installation

Intelligence layer on top of BHive® that maximizes economic return with charge/discharge strategies updated every 15 minutes based on real-time market signals.

OMIE ARBITRAGE

Charge when price is low, discharge when it's high.

PV FORECAST

Anticipate plant behaviour with historical data.

BATTERY HEALTH

Degradation management to extend asset lifetime.

ANCILLARY SERVICES

New revenue streams: regulation and ancillary services.

COMPATIBLE WITH

Sungrow

Huawei

ABB

Fronius

SMA

Ingeteam

CHNT

Janitza

Kempower

Alpitronic

Vega Chargers

Power Electronics

GENERAL SPECIFICATIONS

PARAMETER	VALUE / DESCRIPTION
Supply Voltage	24 V DC
Power Consumption	1 A
Protection Index	IP20
Communication Protocol	ModBus TCP · ModBus RTU · OPC-UA · MQTT · REST API · FTP · VPN
Functionality	Functionality Monitoring and configuration management (HMI)

Commercial Hardware - Phoenix Contact

Industrial Hardware Platform

Phoenix Contact

Made in Europe

Long Term Support

Industrial Traceability

Componentes Disponibles Globalmente

BHive® EMS runs on commercial hardware from Phoenix Contact, a leading European manufacturer in industrial automation and electronics. This guarantees component availability, long-term support and full traceability in demanding industrial environments.

NORMATIVE & CE MARKING

CERTIFICACIÓN	NUMBER	STANDARD	REFERENCE
ATEX—Class I Zone2 AEx nA IIC T4 · Class I Div.2 Groups A,B,C,D · Ex nA IIC Gc T4	IE366272	Cybersecurity	IEC 62351-3 · IEC 62443-42 SL2 · IEC 61850
IndustrialIT Security IACS Component	IITS2 029429 0027	Anti-Spill Certificate	RD 244/2019 · UNE 217001:2020
cULus	E238705	CE Marking	EMC & LVD Directive

COMPANY CERTIFICATIONS



ISO 9001
Quality



ISO 14001
Environment



ISO 27001
Cybersecurity



Made in Europe
Design & Manufacturing



cULus
Electric sec.
E238705



ATEX Zone 2
Explosive atmospheres
IE366272