

SENERGY EMS

ENERGY MANAGEMENT SYSTEM



ENERGY FLOW
CONTROL



STORAGE
OPTIMIZATION (BESS)



SELF-CONSUMPTION
AND PEAK SHAVING

Smart flow management and control at the point of coupling

A compact electrical panel interfaced at the point of coupling (PoC) to manage, optimize, and regulate PV generation and battery storage (BESS) charging/discharging in real time.

HW PROCESSING CYCLE
up to 100 ms

POWER CONTROL
Active (P) and Reactive (Q)

POC REGULATION
Real-Time Dynamic

■ Peak Shaving

Peak absorption shaving via battery energy storage systems (BESS) to prevent exceeding the contractual power capacity at the PoC.

■ Band Shaving

Maintaining the exchanged power at the PoC within a predefined tolerance band to stabilize power flows.

■ Zero Feed-In

Limiting feed-in to the grid to any desired value, with customizable safety margins and instantaneous modulation of PV and BESS.

■ Self-consumption maximization

Priority management of the BESS to store photovoltaic surplus and automatically cover plant consumption.

■ Manual and remote control

Management via graphical UI or external setpoints from Trader/SCADA through standard protocols (Modbus TCP, IEC61850, IEC60870-5-104, OPCUA).

■ Multiple section management

Separate and prioritized control of incentive-eligible sections to maximize their production.



*We are available to conduct assessments on specific custom policy requests.

**All our parameters can be externally managed via standard communication protocols.

Field Performance and Reliability

Dedicated measurements on technology groups

For multi-technology systems (PV + BESS), we install dedicated Power Analyzers on individual groups to ensure fast readings and avoid the delays typical of field devices.

Fast response and regulatory compliance

Control algorithms and reading cycles optimized over TCP/Ethernet to guarantee strict compliance with the safety margins required by current regulations.

Multi-Brand Flexibility and Interoperability

Full compatibility and setpoint control (P/Q) across leading brands of inverters, batteries, and measurement systems.

HIGECO MORE TURNKEY SERVICE

From defining control policies in the preliminary phase, to hardware configuration, up to commissioning and final on-site testing.



User-friendly graphical interface

Intuitive layout for local inspection and remote access via the VISION portal for real-time data monitoring.



Scheduling

Complete scheduling of all operating parameters via graphical interface and remote setup via OPCUA.



Real-time charts

Real-time flow visualization and integrated calculation of energy KPIs to optimize analysis without requiring additional meters.

CCI/PPC + EMS: a complete solution

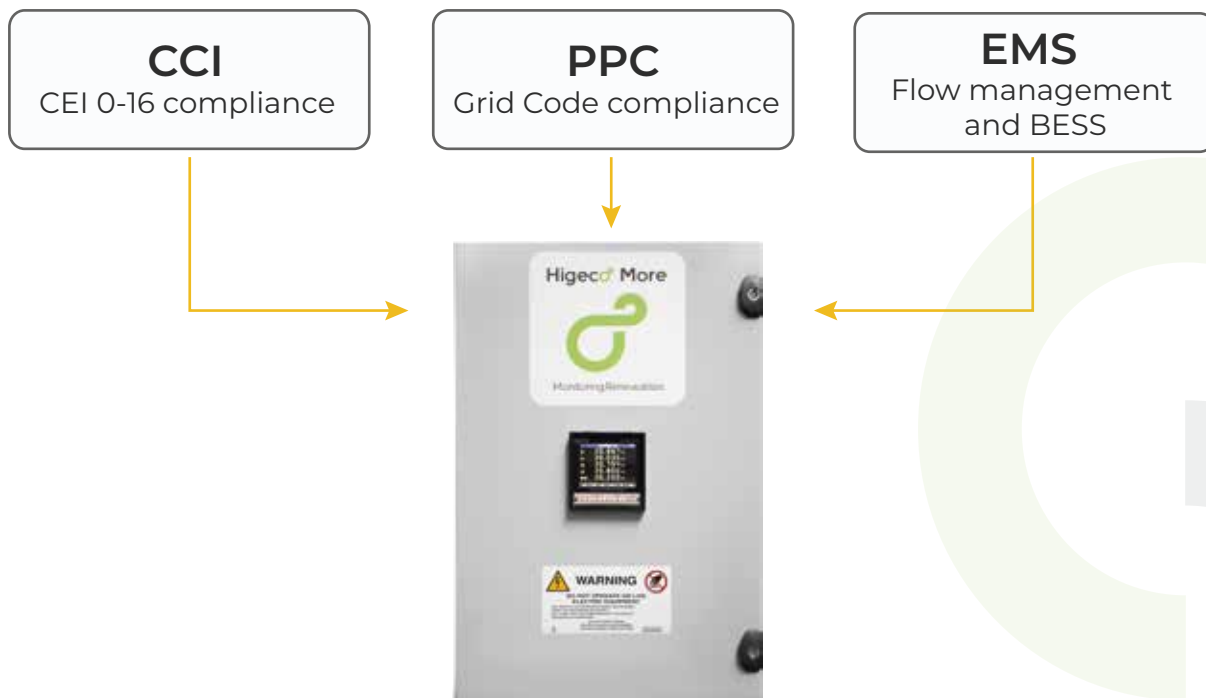
Higeco More combines in a single hardware and software architecture the functions of CCI/PPC for grid compliance and the Energy Management System (EMS) for advanced flow and BESS storage management.

Technical advantage

A single point of contact at the PoC, zero regulation conflicts between grid control (CCI and PPC) and battery optimization (EMS), and latency reduced to a minimum thanks to the unified architecture.

Economic advantage

Single hardware panel to install and wire, halved maintenance costs, and a single technical contact for both grid compliance and plant ROI optimization.



Higeco More

📍 Viale Toscana, 13B, 20136 Milano (MI), Italy
Via Cal Longa, 48, 32030 San Gregorio
nelle Alpi (BL), Italy

☎ (+39) 02 4070 2383

✉ info@higecomore.com

Senergy

🌐 www.higecomore.com

