



CROSTORION
ENERGY

CRO5000/10000U

Lithium Battery Energy Storage System

Store energy smart, live sustainably green



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Storion Energy d.o.o.



CROSTORION ENERGY

Reduce Energy Costs and
Secure an Uninterrupted Power Supply

CROSTORION applicable scenarios:



For properties without
existing solar installations

we offer an **all-in-one solar + storage + EV**
charging solution designed for seamless
integration and future readiness.



For properties with
existing PV systems

our flexible residential green energy solution is
fully compatible with your current setup,
enabling smooth integration and enhanced
energy management.

Waterproof and Built
to Last

Designed for both **indoor and outdoor**
use, the system is rugged and
weather-resistant, easily withstanding
diverse climate conditions.

Modular Scalability
Up to 16 Units

Connect up to 16 units in a Lego-style
plug-and-play configuration to flexibly
scale your energy storage capacity as
needed.



Temper-Secure and
Pet-Friendly Design

Thoughtfully engineered with
no exposed wires, ensuring safety for
children and pets.

AI-Based Power Forecasting
Optimized for Croatia

Featuring an AI-driven forecasting system
tailored for the Croatian **power**
market (CROPEX), maximising financial
returns and system efficiency.



Charge on Sunny Days and Store Low – Cost Electricity

On sunny days, the system stores **clean solar energy or low-tariff electricity** from the grid to be used during high-tariff periods.

This stored energy can then be used during peak hours, at night, or in bad weather, helping you cut costs, increases self-consumption, and move closer to energy independence



Reliable Backup Power During Outages

When the grid goes down, the system **automatically** switches to stored energy to keep your home powered.

Essential appliances like refrigerators, lighting, and internet routers continue to run **without interruption** - ensuring comfort, safety, and peace of mind.



Reasons to choose a CROSTORION battery



High Safety and Protection Standards

Our system is built with advanced safety features and a high protection rating, ensuring secure and reliable performance in any environment.

Next-Generation 314Ah Battery Cells

Equipped with state-of-the-art 314 Ah lithium cells, which offer superior energy density, delivering the longest lifespan and the best performance in the industry.

AI-Powered Price Forecasting Tailored for Croatia

Our proprietary AI algorithm predicts electricity price fluctuations in the Croatian market, helping you charge and discharge at the most profitable times.

Local Operations & Maintenance Team

Based in Croatia, our dedicated service team ensures fast response, professional support, and peace of mind throughout the system's lifecycle.

10-Year/10,000-Cycle Warranty

The system comes with a robust warranty, covering both time and usage to ensure long-term value and reliability.

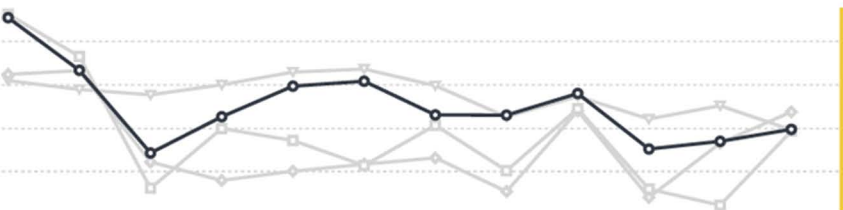
Smart Energy Management System

Seamlessly monitor, optimize, and control your energy usage with our intelligent Energy Management System platform - anytime, anywhere.

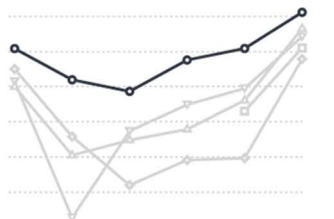


CROSTORION AI Quantitative system

Before using the CROSTORION AI Quantitative system technology, the electricity sales revenue of each user was basically the same.



After AI prediction involved, CROSTORION's client revenue is significantly higher than others.





CROSTORION

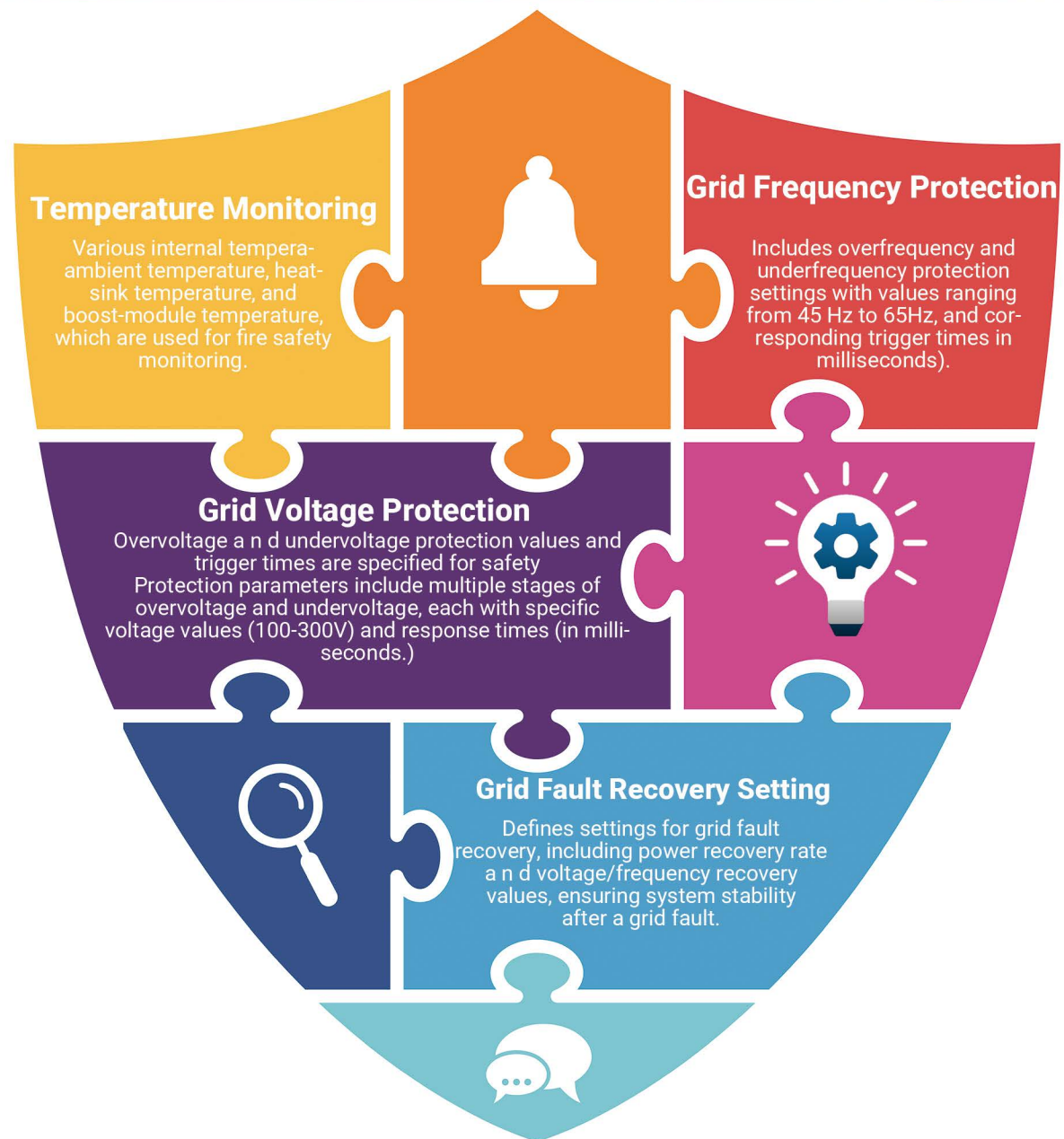
E N E R G Y

Your Data, Fully Protected

100% Data Protection with CROSTORION in European Union

CROSTORION ensures that all data is stored exclusively within the European Union, in full compliance with GDPR. We are committed to safeguarding your information and never moving it to other servers.

We don't store your data in data servers outside the EU. Total privacy is guaranteed.



CROSTORION embeds the philosophy of **"Safety is everything"** in every step of product design, ensuring user safety through high-frequency data detection, advanced sensing, and powerful self-balancing and processing capabilities.





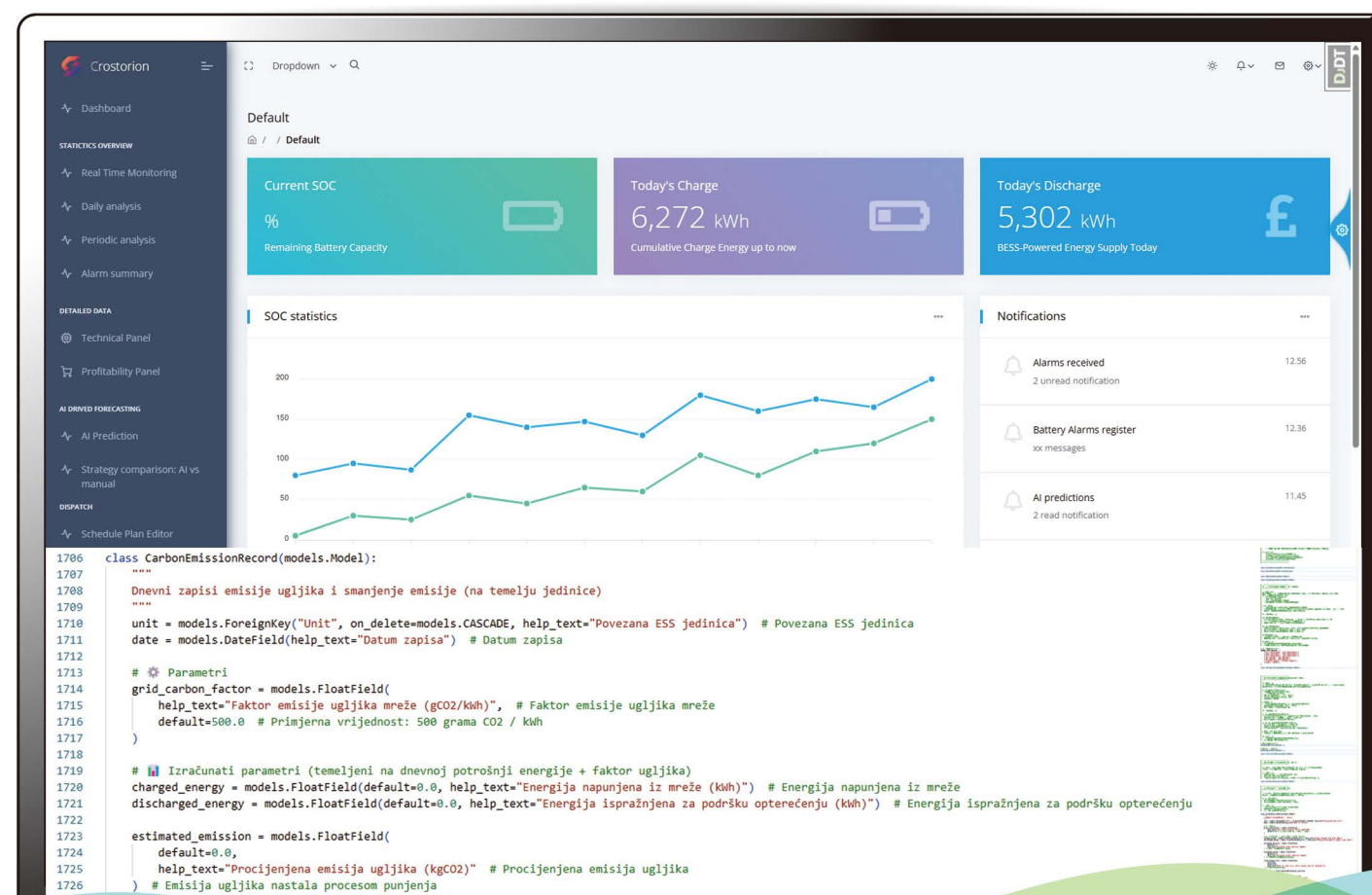
Locally Tailored Software, Fully Developed In-House

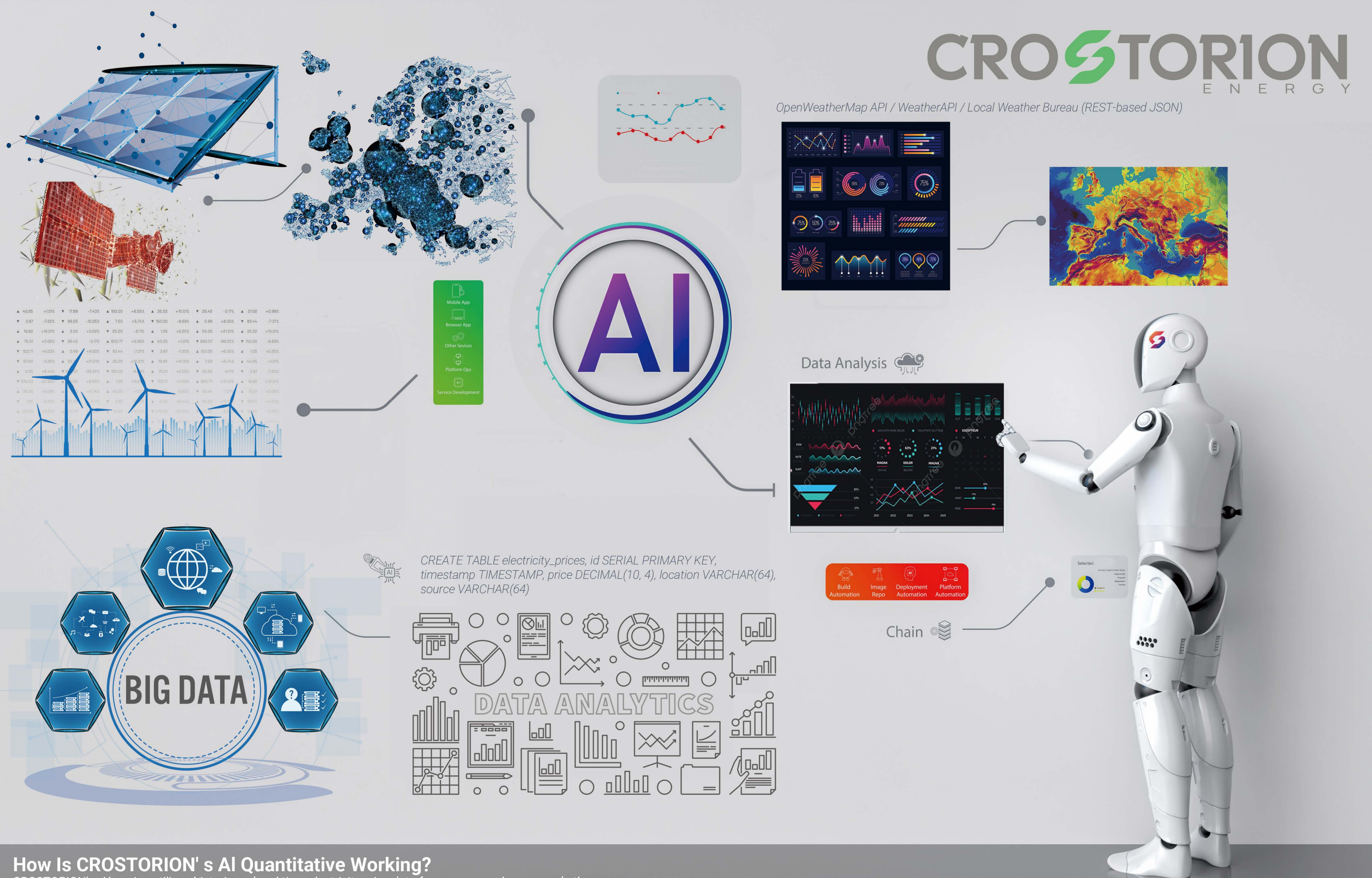
Our energy storage software is **self-developed**, from code to interface - giving us full control over every feature and function.

CROSTORION Energy Management System is the proprietary system independently developed by CROSTORION, with no reliance on outsourced code or frameworks.

The system is specifically designed for **the Croatian market**, incorporating local electricity price structures, grid dynamics, and user behaviors.

This fully in-house approach ensures higher performance, smarter optimization, and faster updates - delivering a better experience for both installers and end users.





How Is CROSTORION' s AI Quantitative Working?

CROSTORION' s AI engine utilises historic and real-time electricity price data from power exchanges and other sources. By analyzing market trends, seasonal patterns, and user consumption behavior, our AI model quantitatively forecasts future electricity prices and grid dynamics.

This enables the system to make smart charging and discharging decisions, maximizing economic return for users. All algorithms are independently developed in-house and optimized specifically for the Croatian market, ensuring precision, transparency, and adaptability.



Battery Specifications	
Model No	10000U-10kWh
Nominal Parameters	
Battery Chemistry	LiFePO4
Voltage	51.2V
Capacity	200Ah
Energy	10.24kWh
Operating Voltage	46-56V
Max. Charge Voltage	56V
Max. Charge Current	100A (5120W)
Max. Discharge Current	150A (7680W)
Basic Parameters	
Warranty Period	10 years
Dimension (W/H/D)	685*505*250mm
Weight Approximate	100kgs
Master LED Indicator	4 LED (SOC:25%~100%) 2 LED (working, alarming, protecting)
Enclosure IP Rating	IP50 (Indoor use) IP65 (Out door use)
Storage Time/ Temperature	5months@25°C;3months@35°C;1month@45°C
Working Temperature	-20°C to 60°C @60+/-25% Relative Humidity
Storage Temperature	0°C to 45°C @60+/-25% Relative Humidity
Humidity	5%~95%
Altitude	≤2000m
Cycle Life (25±2°C,0.5C/0.5C,80%EOL)	≥6500
Certification	IEC62619, CE-EMC, UN38.3, MSDS

The photo on the left shows our actual factory. Inventory is available now in Croatia.