

**JH Solar**

# Energy storage software platform



**Efficient  
Higher Revenue**

- Max. Efficiency 97.5%
- Max. PV Input Voltage 600V
- 150% Peak Output Power
- 2 MPP Trackers, 150% DC Input Oversizing
- Max. PV Input Current 16A, Compatible with High Power Modules



**Intelligent  
Simple O&M**

- IP66 Protection Degree: support outdoor installation
- Smart I-V Curve Diagnosis Function: locate PV string faults accurately and automatically detect faults
- DC & AC Type II SPD: prevent lightning damage
- Battery Reverse Connection Protection



**Flexible  
Abundant Configuration**

- Plug & Play, EPS Switching Under 10ms
- Compatible with Lead-acid and Lithium Batteries
- Max. 6 units Inverters Parallel
- AFCI Function (Optional): when an arc-fault is detected the inverter immediately stops operation

## Overview

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The real magic happens behind the scenes with energy storage cloud platforms. These digital brains are revolutionizing how businesses and utilities manage distributed energy systems. From solar farms to industrial microgrids, they're the secret sauce turning raw battery power into smart energy.

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Battalion Edge - An advanced energy storage site controller platform for ESS + PV that provides measurement, monitoring, optimization, EMS controls and beyond. Supercharge your existing assets and upgrade the software stack for new build ESS and Solar + ESS projects. Controls hardware is included.

Explore our analysis of 143 global startups & scaleups and their energy storage software solutions for energy storage management and optimization, energy analytics & more! Reignite Growth Despite the Global Slowdown Staying ahead of the technology curve means strengthening your competitive.

QuEST 2.0 is an evolved version of the original QuEST, an open-source Python software designed for energy storage (ES) analytics. It transforms into a platform providing centralized access to multiple tools and improved data analytics, aiming to simplify ES analysis and democratize access to these.

We offer a complete set of solutions that transform how solar and energy storage projects are developed, built, and operated, including an integrated suite of software and edge products, and full lifecycle services from a team of leading experts. We're reimagining technology to drive the energy.

Explore our energy storage software tools and capabilities. There was an error loading the content.

Easily model, control, and monitor your solar and storage products with our

industry-leading software trusted by thousands of energy professionals. Accurately analyze and generate winning proposals in minutes. Precisely calculate utility costs, energy savings, and project economics in a transparent. What is energy toolbase?

Energy Toolbase is an industry-leading software platform that provides a cohesive suite of project modeling, storage control, and asset monitoring products that enable solar and storage developers to deploy projects more efficiently.

What is a Solar Monitoring Platform?

Trusted monitoring platform providing complete transparency into the real-time operation and performance of solar+ storage projects. Our team of solar and energy storage consultants performs a comprehensive economic analysis for your specific solar and/or energy storage facility.

What are energy storage solutions?

They provide real-time data and information, relieve transmission and distribution network congestion, maintain Volt-Ampere Reactive (VAR) control. Together, startups working on energy storage solutions aim to simplify energy storage management.

What is energy storage analytics?

Energy storage analytics leverages big data and machine learning to extract energy storage insights in real-time and empower users to access analytics and insights. Based in the USA, Energsoft is a startup developing a cloud-hosted AI platform to tackle the challenges of data collection, stitching, and analysis for sustainable batteries.

What are energy storage management systems?

Energy storage management systems increase the value of energy storage by forecasting thermal capacities within electricity grids, batteries, and renewable energy plants. They provide real-time data and information, relieve transmission and distribution network congestion, maintain Volt-Ampere Reactive (VAR) control.

How many energy storage software companies are there?

This time, you get to discover four hand-picked energy storage software

companies. Through the Big Data & Artificial Intelligence (AI)-powered StartUs Insights Discovery Platform, covering over 3 790 000+ startups & scaleups globally, we identified 143 startups developing energy storage software.

## Energy storage software platform

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### HybridOS Energy Management System , Flexgen

Best-in-class energy management system software for high-performance management of energy storage sites & fleets of assets The HybridOS(TM) EMS platform delivers reliability and performance with the fastest response ...

### Top 30 Energy Software startups (August 2025)

EV Energy Country: UK , Funding: \$87.8M  
Ev.energy is a smart charging software platform for electric vehicles to reduce carbon emissions and costs.



### 4 Top Energy Storage Software Solutions , StartUs Insights

QuEst 2.0 facilitates the advancement of energy storage technology by making powerful analytics tools accessible to all energy storage stake holders, aligning with DOE's energy storage program goals.

## Energy Storage

Stem is a Global Leader in AI-driven Energy Storage Founded in 2009, Stem operates the world's largest network of digitally connected energy storage systems. Our Athena™ smart energy ...



## Global Leader in AI-driven Clean Energy Solutions & Services

We offer a complete set of solutions that transform how solar and energy storage projects are developed, built, and operated, including an integrated suite of software and edge products,

...

## Solar Software & BESS Data Platform & Services , Anza

2.4 GW solar & 2.8 GWh storage supported in 2024 Over 1,000 platform price updates a month On-demand Energy Storage & Solar Data & Analytics Learn about Anza's online subscription

...



## Software: The driving force putting batteries at

We look briefly - and in simplified form - at: Modo Energy, which offers data intelligence on the UK energy storage industry via a cloud-based platform. ION Energy, using machine learning to provide services ...

## ENERGY STORAGE SOFTWARE

The Fractal Model is a technoeconomic energy storage modeling package used project development, due diligence and RFP evaluation. The Fractal Model provides investment grade analysis while simulating performance, ...



## Wärtsilä Energy Storage

Unlock the full value of your energy storage investment Backed by Wärtsilä's reputation as a bankable and reliable partner, our comprehensive system-level approach to battery energy storage technologies stands apart. We ...

## **Fluence acquires energy storage software and AI ...**

Energy storage technology provider and system integrator Fluence has acquired Advanced Microgrid Solutions, the California company known for its artificial intelligence (AI)-driven optimisation software ...



## **Future energy infrastructure, energy platform and energy storage**

The energy platform consists of the hardware and software to generate, store, control and transmit electricity/data, the digital platform to share and manage the infrastructure, ...

## Q CELLS acquires US-based energy storage software platform provider

Q CELLS will acquire US energy storage software company Geli, as the solar company targets becoming a complete provider of "smart energy solutions".



## Top 10: Energy Technology Platforms , Energy ...

The software arm of Octopus Energy Group, Kraken offers an end-to-end platform that provides utilities and energy companies with all the technology needed to handle their core back-office operations, ...

## Q CELLS Acquires US-Based Energy Storage Software Platform ...

The San Francisco company's software platform is used for designing, automating and managing battery storage systems, and is intended to streamline the ...



 LFP 280Ah C&I



## Safe, simple, scalable energy storage technology ...

Our energy storage technology and purpose-built energy storage systems are designed for the most demanding applications and have stood the test of time.

## Renewable: Energy storage optimization software ...

KYOS Reflex Platform is a Battery Energy Storage System (BESS) optimization software combining sophisticated algorithmic trading with real-world market dynamics to deliver realistic performance insights and ...



## Fifth-Generation Energy Storage Software Platform

Greensmith today announced the release of GEMS5, the fifth-generation of its energy storage software platform. First launched in 2008, the newest version of the GEMS ...

## The Enterprise Energy Optimization Platform

Reimagining energy asset management A modern clean energy platform requires scalable software with modular applications for any use case across a fast and flexible grid. The ...

Test certification  
 CE FC



## Artificial Intelligence for Energy Storage

Optimizing energy storage systems for multiple value streams and maximizing the value of storage assets depends on intelligent operating systems that analyze large datasets and make ...

## Battery (BESS) & Energy Storage Optimization

PCI's Gentrader® seamlessly incorporates battery energy storage systems (BESS) and other energy storage assets into near real-time decision support, forecasting, long-range planning, and analytics.



## What software to use for energy storage solutions , NenPower

Different software applications can help optimize energy storage solutions, enabling efficient management, forecasting, and integration with existing energy systems.

## Solar Software & BESS Data Platform & Services

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## [Envision Digital Whitepaper\\_ESS23 dd](#)

Abstract Battery Energy Storage Systems (BESS) promise to smooth out the intermittency of renewable energy production and deliver a consistent, predictable flow of energy to ...

## Pason Power & Energy Toolbase Create End-to ...

Pason Power Inc., a provider of intelligent software for the energy storage market, announced today that it is combining its business with Energy Toolbase LLC, an industry-leading software platform that ...



## Top Energy Storage Cloud Platforms in 2025: Which One Fits ...

The real magic happens behind the scenes with energy storage cloud platforms. These digital brains are revolutionizing how businesses and utilities manage distributed energy ...

## Energy-Storage.News

Global energy storage technology and energy software services provider Fluence and ACE Engineering have opened a new automated battery storage manufacturing facility in Vietnam's Bac Giang Province.



## EMS: Wärtsilä's new GEMS 7 platform, Generac

The energy storage and optimisation (ES&O) arm of Wärtsilä has launched the seventh generation of its GEMS software platform. While the monitoring, controls and optimisation platform can serve as an energy ...

## Tesla Energy Software

A common software platform powers the entire Tesla product ecosystem from Tesla's largest storage product, Megapack, to virtual power plants made up of thousands of Powerwalls. ...



## **QuEst 2.0 - Open-source platform for Energy ...**

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## **Contact Us**

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