247 SOFTWARE & INTELLIGENCE

Energy resource planning (ERP)

Your virtual energy manager. One platform that monitors, runs and optimises every energy asset on site, from storage and on-site generation to solar, wind and the grid connection.

A microgrid ties your storage, renewables and any local generation into one system you run from a single screen. ERP is the layer that runs it: minute by minute it decides when to charge, discharge, lean on the grid or run on your own power, so the site stays supplied at the lowest cost and lowest emissions. It works grid-parallel alongside the utility, or in island mode when the grid drops.

–Peak	**24/7**	**6**	**≈0**
Shifts load to cheapest hours	Grid-parallel and island uptime	Function groups watched	Fossil use, renewables first

WHAT IT DOES

- Cost-first planning · charges cheapest, then shaves peak-demand charges
- Live monitoring · status for every rack, inverter and power supply
- Energy flow & metering · building, battery, solar and grid, with history
- No-code rules engine · up to 20 conditions across 10 programs
- Full-stack orchestration · storage, inverters, lighting, fire, doors, UPS
- Price & weather aware · tracks wholesale prices and local weather

THREE BUILDING BLOCKS, ONE BRAIN

PRODUCTION

Baseload power

Makes power when solar and wind fall short, at low cost and low emissions.

PLANNING · THE BRAIN

Resource planning

Runs every resource to keep cost down and supply steady, and hands you the controls.

STORAGE

Energy storage

Banks surplus wind and solar in a long-life, non-lithium system.

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Energy resource planning (ERP)

Every signal in the installation is grouped, watched and acted on, from overall energy flow down to a single faulty cable.

WATCHED END TO END

- 01 · Energy flow · charge, discharge, peak shaving, grid and solar availability
- 02 · Sensors · temperature, humidity, per-cell and per-inverter, shock detection
- 03 · Fire safety · detectors, pre-alarm and alarm, manual triggers, surge protection
- 04 · Access control · entry and double-door sensors, keypad, alarm states
- 05 · Technology · battery, inverter, cooling, lighting, comms, fuse and cable integrity
- 06 · Monitoring & service · maintenance schedules and software status

PLATFORM SPECIFICATIONS

Operating modes	Grid-parallel · Island
Dispatch	Machine-learning, cost & emissions
Rules engine	20 conditions · 10 programs, no code
Protocols	MODBUS, IEC 61850, IEC 60870-101/104, DNP3
Security	Role-based access, encrypted comms
Availability	Redundant, hardened control core
Scale	Single site to fleet of substations
Trading	Live wholesale price integration

A CONTROL CORE THAT ALREADY RUNS GRIDS

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Under the 247 interface sits an industrial control platform that already runs energy and grid infrastructure around the world. You get that reliability delivered as one 247 system: open to your solar and wind, speaking MODBUS and the main energy standards, secured with role-based access and encrypted communication, and built with redundancy throughout for high availability.

BEST COMBINED WITH

SUPERCAP · RACK

Rack storage

107 kWh indoor rack, plug-and-play, all power electronics integrated.

SUPERCAP · CONTAINER

Container storage

Large-scale containerised storage from 250 kWh to 4 MWh.

LNG · POWER

LNG power plant

Containerised baseload power, no grid, operational under four hours.