

PowerFac-261

Technical procurement brief

125 kW / 261 kWh liquid-cooled energy storage system

PowerFac-261 is an all-in-one outdoor liquid-cooled energy storage cabinet. The supplied product brochure lists 125 kW rated power, 261 kWh nominal battery energy and an AC 400 V connection. It identifies industrial parks, commercial complexes, charging stations, logistics parks and solar-plus-storage among its application examples.

The power and energy ratings describe different limits. The 125 kW rating is a power value; 261 kWh is the nominal battery energy. Neither the nominal energy nor the recommended depth of discharge establishes guaranteed usable energy at the AC connection or a guaranteed backup duration. The project proposal should state the measurement point, operating window, duty, auxiliary loads and applicable derating.

This brief summarizes the supplied brochure. The source does not show a revision or issue date; confirm the applicable configuration and controlled technical documents with the quotation.

Published specifications and their boundaries

Parameter	Brochure value	Procurement interpretation
Rated power	125 kW	Review with site duty and the temperature/altitude limits below.
Nominal battery energy	261 kWh	Battery nameplate energy; usable AC energy requires a separate specification.
AC connection	400 V; 3W + N + PE	Confirm compatibility with the site's electrical system and protection requirements.
Rated frequency	50 / 60 Hz	Confirm the frequency of the proposed configuration.
Battery chemistry and cell rating	LFP; 3.2 V, 314 Ah	Cell values are distinct from the cabinet's energy and voltage ratings.
Nominal battery voltage	832 V DC	Battery-side value, distinct from the AC connection.
Battery operating voltage	728-949 V DC	Range stated in the product table; final operating limits belong in the proposal.
Recommended depth of discharge	90%	A recommended setting, not a guarantee of delivered energy or runtime.
Cooling	Liquid cooling	Include cooling consumption in the project energy balance.
Enclosure ratings	IP54 cabinet; IP65 battery packs	The two ratings apply to different enclosures.
Operating temperature	-20 to 55 °C	The brochure states output derating above 45 °C; request the applicable curve.
Operating altitude	2000 m; 2000-4000 m with derating	Confirm the site's altitude and the applicable reduction in output.
Dimensions, W × D × H	1000 × 1350 × 2350 mm	Cabinet dimensions only; service clearances and installation layout are separate.
Approximate mass	2650 kg	Confirm the quoted configuration before transport, lifting and foundation design.

PowerFac-261 | Procurement planning

The brochure describes an all-in-one cabinet and EMS functions. These descriptions do not establish the complete site supply scope. Request the cabinet's included equipment and controls, together with an explicit list of external equipment, services and exclusions.

What to confirm before selecting the cabinet

Power and usable energy. Provide the load profile and operating objective so the proposal can define the required power, usable energy and duration at the intended measurement point. Require temperature and altitude derating to be reflected in the proposed duty. Do not treat 261 kWh multiplied by 90% as a guaranteed AC energy figure.

Operating modes. For any backup or islanded requirement, identify the protected loads, changeover arrangement, controls, reserve and operating modes. The brochure's power and energy ratings alone do not establish automatic backup, black-start capability or a specific transfer time.

Supply responsibilities. Confirm the included cabinet configuration and allocate external switchgear, transformer, metering, cables, civil works, installation, commissioning and site integration. Specify the EMS functions and communication interfaces required for the actual project.

Commercial and acceptance terms. Request model-specific warranty terms, maintenance responsibilities, delivery scope and an agreed acceptance test. The quotation should identify the configuration and document revision to which these terms apply; this brief does not assign a fixed lead time, warranty period or financial return.

Project information to send with an RFQ

- Installation country, location, ambient temperature, altitude and available space.
- Operating objective, interval load or generation data, and target power or duration if known.
- Electrical connection, existing transformer/protection, and any backup requirement.
- Quantity, schedule, requested equipment/services and project acceptance criteria.

[Review the product page](#) · [Request a PowerFac-261 technical proposal](#)

Source and document status

Based on the supplied PowerFac-261 product brochure, pages 1-2. The source has no printed revision or issue date. The preparation date above is an editorial date, not a product revision or engineering approval. This procurement summary does not replace a controlled datasheet, project design, quotation or contract.