

CELL procurement brief

Model comparison and project requirements

CELL is a PEM hydrogen fuel-cell generator with liquid-hydrogen storage for on-site power. Compare the published hardware options below, then confirm the technical evidence, hydrogen plan and site scope for the selected project.

Before selecting a model

Available for preorder. Confirm model-specific technical data, certification evidence and net delivered power before signing.

Compare the published hardware options

Model	Published output option	Hardware price per CELL USD
CELL 20	20 kW	\$40,000
CELL 30	30 kW	\$60,000
CELL 50	50 kW	\$100,000
CELL 80	80 kW	\$160,000
CELL 100	100 kW	\$200,000

Output labels identify the published model options; they do not establish verified net power delivered to the load. CELL 100 specifications do not apply to the smaller models. Confirm each model's electrical interface, hydrogen storage, dimensions and site requirements with the order.

Hardware and project scope

The current CELL 100 hardware offer excludes hydrogen fuel, optional refill service, installation, permitting, site utilities and AC power conversion; applicable tax is additional. For every configuration, confirm all inclusions, exclusions, freight and receiving responsibilities in the quote and final agreement.

Optional refill service and power agreements are separate commercial selections. This brief does not quote a hydrogen price, operating cost, service commitment or power-purchase rate.

CELL 100 published specifications

Applies only to CELL 100

Published specifications for CELL 100. Gross stack output is before auxiliary loads; net delivered power depends on conversion and site loads.

Parameter	Published CELL 100 specification
Gross stack output	100 kW maximum normal gross stack output
Electrical interface	800 V DC nominal; 150 A maximum
Liquid-hydrogen inventory	23.3 kg LH ₂ ; tank geometric volume 346 L
Equipment envelope	24 in diameter x 15 ft height
Equipment footprint	3.14 ft ² / 0.292 m ² ; excludes service access and site utilities

Included system and required site connections

Published equipment scope includes the PEM system, Dewar tank, hydrogen conditioning, power electronics, compressor, liquid cooling loop and controls. Site electrical, air, cooling and vent connections are required. AC loads require site power conversion.

Interface	Published planning information
Electrical and controls	Blind-mate DC, protective earth, 24 V DC control power, supplier CAN and hardwired safety interfaces; four-pin mechanical dock.
Hydrogen and venting	Dedicated cryogenic fill connection and outdoor hydrogen relief and purge discharge.
Air	Two 4 in supply/exhaust connections; 6,500 NL/min at 0 degrees C and 1 atm.
Cooling	Two 1.25 in coolant quick disconnects; 200 L/min coolant flow; 115 kW stack heat rejection.

Certification status

Current public ordering information describes certification as a **planned process**, not certification already achieved. Obtain the applicable certificates, listings, test reports and site approvals before relying on compliance or suitability for a specific installation.

Project requirements and ordering

Use this checklist to define the quote, engineering review and final agreement. Resolve responsibilities and acceptance evidence for the chosen model and site.

Confirm before agreement	Record for the project
Load and electrical integration	Continuous and peak load, load response, required net DC or AC output, conversion equipment and electrical interface.
Hydrogen supply	Fuel specification, supplier, delivery/refill plan, consumption and runtime basis, storage interfaces and fuel pricing.
Site and utilities	Layout and service clearances; foundations/access; electrical, air, cooling and outdoor vent routes; receiving and unloading.
Compliance and safety	Required certifications/listings, authority review, permits, hydrogen safety provisions, interlocks and emergency procedures.
Acceptance and support	Factory/site tests, measurable acceptance criteria, commissioning responsibilities, training, warranty and service response.

Current ordering terms

CELL 100 hardware: \$200,000 USD. The \$5,000 deposit is credited toward the purchase; the \$195,000 balance, plus applicable tax, is invoiced under the final agreement. The deposit is refundable until that agreement is signed. No remaining balance is charged automatically.

Other configurations: the published \$5,000 reservation deposit is credited toward the final agreement and refundable until signing. Payment reserves the selection; it does not execute the final agreement or begin deployment.

Estimated three month schedule

The current estimate is three months overall from order through delivery and commissioning, **including freight**. Planned phases overlap: Months 1-2 cover design, certification process and build; Months 2-3 cover qualification, delivery and commissioning.

This is an estimate, not a guaranteed project date. The final signed agreement records project-specific dates, destination, site requirements and responsibilities. Confirm required approvals, site readiness and the complete schedule before committing.

Current product information and contact

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