COMMERCIAL PRODUCT BROCHURE

POWER THAT FITS YOUR PROJECT.

SCALABLE HYBRID POWER SOLUTIONS / 50 kW TO 5 MW



PRODUCT FAMILY	POWER RANGE	ELECTRICAL BASIS
14 EFL MODELS	50 kW - 5 MW	380 / 400 V

One coherent range for commercial, industrial and infrastructure power projects. Select the output class, understand the physical envelope, and specify the site integration with confidence.

EFLUXER / YOUR ENERGY SOLUTION

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Product & System Overview.

A 14-model hybrid power family for commercial and industrial applications, configured around a clearly defined site requirement.



EFL FAMILY	ACTIVE OUTPUT	VOLTAGE	STANDARD
14 MODELS	50 kW - 5 MW	380 / 400 V	50 Hz

INSIDE THE PLATFORM / KEY PRODUCT SYSTEMS

HYBRID GENERATOR

Synchronous brushless generator with AVR; class H insulation and electric starter motor.

OUTPUT AND REGULATION

380/400 V, 3-phase + N + PE; 50 Hz standard, 60 Hz optional; stated voltage regulation.

CONTROL AND CONNECTIVITY

Digital controller and LCD with CAN-BUS, Modbus RTU/TCP and optional 4G remote access.

PROTECTION AND SUPERVISION

Emergency stop, fire-suppression provision and 24/7 camera monitoring stated in product information.

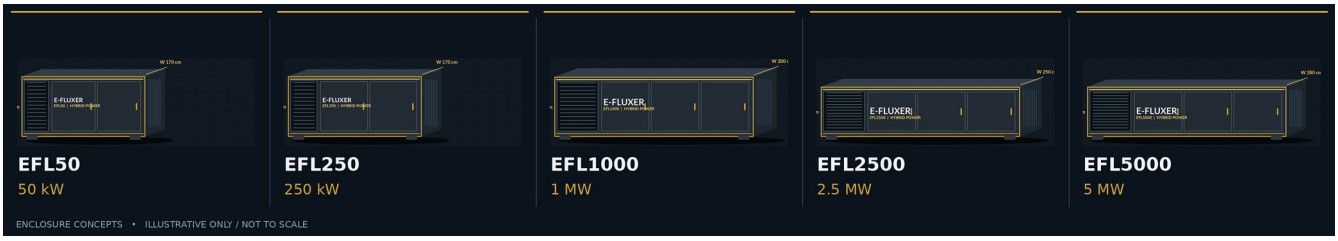
EFL1000 / PRODUCT SNAPSHOT

ACTIVE	APPARENT	ENERGY	MASS*	ENVELOPE*
1,000 kW	1,250 kVA	1,000 kWh	11,000 kg	6 × 2 × 1.8 m

* Approximate dimensions and mass. Illustration shows a product-family concept, not released manufacturing CAD. Confirm configuration, runtime and energy-source arrangements for each site.

Portfolio Overview.

One EFL designation for each active power class, from the compact EFL50 through the industrial-scale EFL5000.



MODEL	kW	kVA	kWh	MASS kg*	DIMENSIONS L × W × H (cm)*
EFL50	50	65	50	5,000	370 × 170 × 180
EFL100	100	125	100	7,000	370 × 170 × 180
EFL250	250	320	250	8,500	400 × 170 × 180
EFL500	500	635	500	9,000	420 × 190 × 180
EFL750	750	940	750	10,000	500 × 200 × 180
EFL1000	1,000	1,250	1,000	11,000	600 × 200 × 180
EFL1500	1,500	1,875	1,500	12,000	600 × 200 × 180
EFL2000	2,000	2,500	2,000	13,000	700 × 200 × 190
EFL2500	2,500	3,135	2,500	14,000	800 × 250 × 200
EFL3000	3,000	3,750	3,000	19,000	800 × 250 × 200
EFL3500	3,500	4,385	3,500	21,000	800 × 250 × 200
EFL4000	4,000	5,000	4,000	22,000	900 × 270 × 220
EFL4500	4,500	5,635	4,500	24,000	1,000 × 280 × 250
EFL5000	5,000	6,250	5,000	30,000	1,000 × 280 × 250

APPLICATIONS

INDUSTRY & PRODUCTION	DATA CENTRES & SITES	CHARGING INFRASTRUCTURE	PORTS & LOGISTICS

* Supplier-stated approximate mass and dimensions. kW, kVA and kWh have distinct meanings; nominal energy capacity alone does not determine runtime. Final sizing and suitability require project engineering.

THE EFLUXER PROPOSITION

One family. Fourteen power classes.

The EFL product family gives project teams a clear starting point for selecting hybrid power capacity. From EFL50 to EFL5000, every model is identified by its rated active output in kW and paired with a declared kVA rating, nominal energy capacity and enclosure footprint.

DEFINED MODEL RANGE

Fourteen configurations from 50 kW to 5 MW - one naming system from first discussion to technical proposal.

KNOWN INSTALLATION ENVELOPE

Model-specific length, width, height and approximate mass to support early site and logistics planning.

CONSISTENT ELECTRICAL BASIS

380/400 V, three phase + neutral + protective earth; 50 Hz standard with a 60 Hz option.

CONTROL AND MONITORING

Digital control platform, CAN-BUS and Modbus interfaces, with remote connectivity options.

THE EFL DIFFERENCE



SPECIFYING POWER RESPONSIBLY

kW is rated active power, kVA is apparent power and kWh is declared nominal energy capacity. Delivered runtime depends on the selected configuration, connected energy source, site load and auxiliaries.

COMMERCIAL APPLICATIONS

Designed around the demands of your site.

EFLUXER can be considered wherever a project requires a defined on-site power class and a planned electrical, physical and control interface. The final operating mode and energy supply arrangement are established through site engineering.

INDUSTRIAL OPERATIONS

Power planning for manufacturing, equipment-intensive facilities and process loads.

GRID-CONSTRAINED LOCATIONS

An option to evaluate in capacity-expansion and site import-limit projects, subject to network approval and energy-source design.

CHARGING INFRASTRUCTURE

A power-platform option for commercial EV and heavy-duty charging hubs where demand profiles are critical.

DATA CENTRES & CRITICAL SITES

A defined power class for resilience studies, with protection, redundancy and transfer behaviour engineered for the project.

PORTS & LOGISTICS

Scalable capacity for terminals, distribution campuses and commercial equipment.

REMOTE AND ISLANDED SITES

For site-specific hybrid or microgrid studies with a properly specified ongoing energy source.

PROJECT FIT COMES FIRST

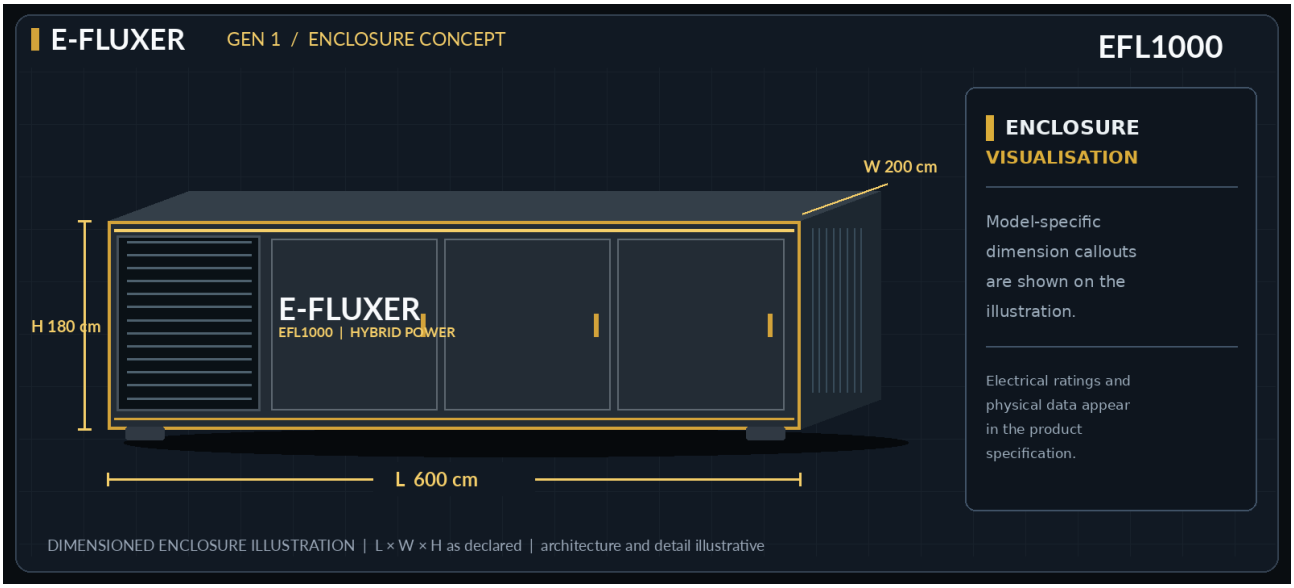
Load profile, start-up and transient demands, grid conditions, required autonomy, local permits and the connected energy source determine the final solution. Any grid-forming, black-start or islanding function must be verified for the selected model and configuration.

Compact to 1 MW.

Choose your EFL model by required active power. Individual apparent power, nominal energy capacity and installation envelope follow the master EFL Product Information Catalogue.

MODEL	kW	kVA	kWh	MASS kg*	L × W × H (cm)*
EFL50	50	65	50	5,000	370 × 170 × 180
EFL100	100	125	100	7,000	370 × 170 × 180
EFL250	250	320	250	8,500	400 × 170 × 180
EFL500	500	635	500	9,000	420 × 190 × 180
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A CONSISTENT PLATFORM FOR DIFFERENT SITES

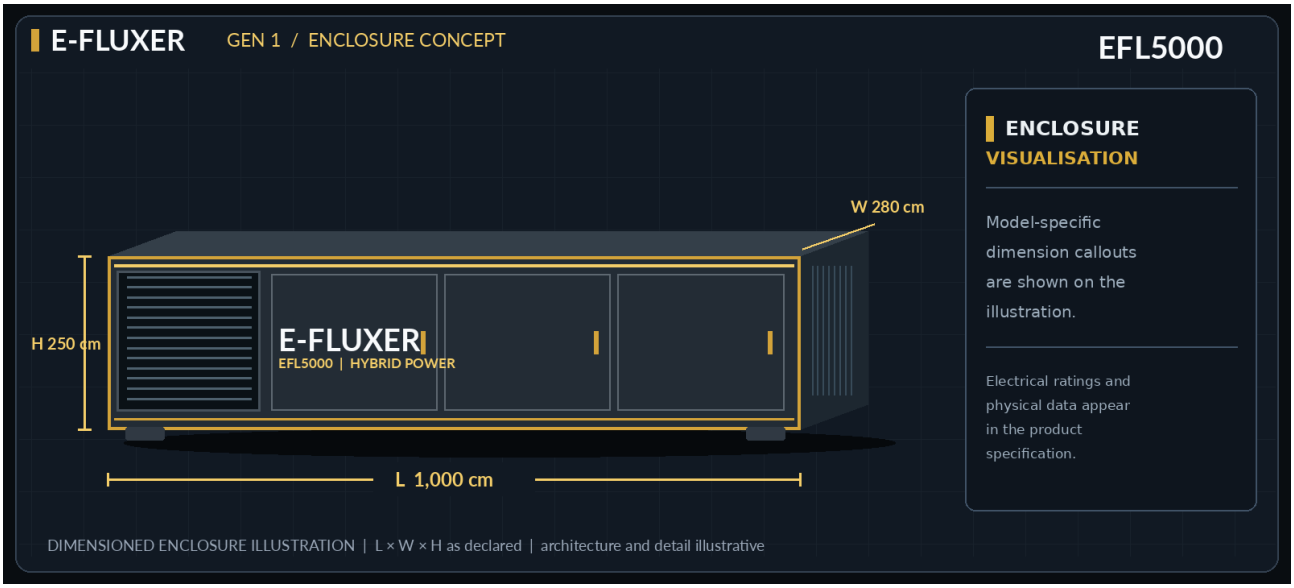


* Approximate stated mass and enclosure dimensions. Illustrations are dimensional concepts, not production photographs or released CAD drawings.

1.5 MW to 5 MW.

Higher power classes for industrial facilities, infrastructure projects and larger site-level power studies.

MODEL	kW	kVA	kWh	MASS kg*	L × W × H (cm)*
EFL1500	1,500	1,875	1,500	12,000	600 × 200 × 180
EFL2000	2,000	2,500	2,000	13,000	700 × 200 × 190
EFL2500	2,500	3,135	2,500	14,000	800 × 250 × 200
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EFL5000	5,000	6,250	5,000	30,000	1,000 × 280 × 250



* Approximate stated mass and envelope. Confirm final access, foundations, lifting and installation details against the project-specific released drawings.

Practical specifications, clearly defined.

Across the 14 products, the EFL catalogue states the following common characteristics. Exact model ratings in the preceding tables take precedence over calculated or rounded values.

PARAMETER	STATED PRODUCT BASIS
Nominal electrical interface	380/400 V • 3-phase + N + PE; 400/230 V ±5% output (star)
Operating frequency	50 Hz standard / 60 Hz optional
Frequency tolerance	Maximum ±0.5 Hz (supplier-stated)
Voltage regulation	±1.0% static / ±0.5% dynamic (supplier-stated)
Power factor	cos φ = 0.8 stated as standard; use individual model kVA ratings
Generator basis	Synchronous brushless generator; AVR; IP23 machine; class H insulation
Start and cooling	Three-phase electric starter; high-efficiency axial air cooling
Temperature reference	Up to +50 °C at full load stated; high-altitude version +40 °C at 2,500 m
Control platform	Microprocessor / LCD; AMF/ATS-compatible; manual initial start
Operating start-up	≤20 minutes from cold start to full load (supplier-stated; not site installation time)

ENGINEERING CLARITY

The stated enclosure dimensions are product envelopes, not ISO shipping-container classifications. Actual performance, noise and dimensions require confirmation for the ordered configuration and installation conditions.

CONTROLS & SAFETY

Visibility. Protection. Integration.

The EFL family includes a shared approach to monitoring, electrical protection and enclosed-site operation. These characteristics should be verified in the issued model-specific technical package.

CONTROL AND CONNECTIVITY

MONITOR THE ESSENTIALS

Supplier-stated measurements include V, A, Hz, kW, kVA, power factor, kWh, oil pressure, water temperature and rpm.

CONNECT TO YOUR SYSTEM

CAN-BUS / Modbus RTU/TCP; SCADA/IIoT interfaces, with optional 4G remote connectivity.

PHYSICAL AND ELECTRICAL PROTECTION

ELECTRICAL PROTECTION

Source lists overspeed, overcurrent, short circuit, phase loss, voltage imbalance and temperature/pressure protection.

ENCLOSURE & ENVIRONMENT

IP23 open / IP54 with switchgear / IP65 container (configuration dependent); C4 coating ≥120 µm; spring/pneumatic vibration isolation.

EMERGENCY SYSTEMS

Mechanically locked local/remote emergency stop; fire-detection and suppression concept.

MONITORING & ACOUSTICS

Four night-vision cameras and 24/7 recording stated; standard sound insulation. Noise values are configuration- and test-dependent.

SOUND AND CERTIFICATION

Supplier-stated noise range: ≤68-75 dB(A) at 7 m; container version ≤62 dB(A). Validate test basis, installation and applicable certificates before commercial commitment.

FROM CONCEPT TO DELIVERY

Specify the solution. Then the site.

EFLUXER offers a straightforward route from your target capacity to a project-ready technical proposal. A productive first discussion focuses on six essentials:

01	**CAPACITY**	Required continuous kW, load profile, peaks and motor-start demands.
02	**ENERGY**	Connected ongoing energy source, declared kWh requirements and target operating duration.
03	**CONNECTION**	Site voltage, grid conditions, point of connection, interface and protection requirements.
04	**SPACE**	Footprint, access, foundation, lifting constraints, ambient conditions and acoustic limits.
05	**CONTROL**	Monitoring, remote access, EMS/SCADA interface and desired operating functions.
06	**RELEASE**	Model-specific drawings, acceptance testing, certificate scope, permits and commissioning plan.

YOUR NEXT STEP

Share the site demand and target installation location with EPOWER B.V. We will align the EFL power class, physical envelope and required integration scope before issuing project-specific technical and commercial terms.

EFLUXER / YOUR ENERGY SOLUTION

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Specification source: EFLUXER EFL Product Information, October 2026. Product and enclosure illustrations are conceptual. All stated figures remain subject to final model-specific documentation; manufacturer-level certificate summaries do not establish certification of every EFL-branded final assembly.