EFLUXER
YOUR ENERGY SOLUTION

PRODUCT INFORMATION

14 PRODUCTS / EFL50 - EFL5000



SCALABLE HYBRID POWER PLATFORM

50 kW to 5 MW | 380/400 V | 3 phase + N + PE | 50 Hz standard / 60 Hz option

OCTOBER 2026 / PRODUCT INFORMATION

The EFL product family covers fourteen configurations, from EFL50 to EFL5000. Each model page presents rated power, nominal energy capacity, approximate mass and a dimensioned enclosure illustration.

The EFL product family

A consistent 14-model range identified by active power output. EFL50 means 50 kW; EFL1000 means 1,000 kW (1 MW). All figures are stated product data; dimensions are approximate and may vary with site ambient conditions.

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

Important: kW indicates rated power; kWh is the declared nominal energy capacity. A kWh figure is not a guarantee of runtime or independent ongoing generation.

EFL50 | 50 kW

HYBRID GENERATOR / EFL PRODUCT FAMILY

E-FLUXER GEN 1 / ENCLOSURE CONCEPT

EFL50



ENCLOSURE VISUALISATION

Model-specific dimension callouts are shown on the illustration.

Electrical ratings and physical data appear in the product specification.

DIMENSIONED ENCLOSURE ILLUSTRATION | L × W × H as declared | architecture and detail illustrative

PRODUCT RATINGS & PHYSICAL DATA

ACTIVE POWER	APPARENT POWER
50 kW	65 kVA
ENERGY CAPACITY	**APPROX. WEIGHT**
50 kWh	5,000 kg

ENCLOSURE DIMENSIONS / L × W × H

370 × 170 × 180 cm

Standard electrical basis: 380/400 V; 3 phase + neutral + protective earth; 50 Hz (60 Hz optional); air-cooled; manufacturer-stated commissioning time ≤20 minutes from cold start to full load.

Illustration is E-FLUXER-branded and dimensioned from the supplied enclosure envelope; not certified CAD or a model-specific product photograph. Physical measurements may change with installation conditions.

EFL50 | TECHNICAL SPECIFICATIONS

ACTIVE POWER	APPARENT POWER	ENERGY CAPACITY
50 kW	65 kVA	50 kWh

PRODUCT CONFIGURATION & PHYSICAL INFORMATION

DEVICE TYPE
Hybrid Generator

COOLING SYSTEM
Air cooled

MODEL CODE
EFL50

APPROXIMATE WEIGHT
5,000 kg

FREQUENCY / VOLTAGE
50/60 Hz; 380/400 V; 3 phase + N + PE

DIMENSIONS (L × W × H)
370 × 170 × 180 cm

MOTOR START
Electric starter motor (380 V; 3 phase; 50/60 Hz)

SAFETY SYSTEMS
Emergency stop; integrated fire suppression; 24/7 camera monitoring

COMMISSIONING TIME
≤20 min from cold start to full load

INITIAL CONTROL MODE / INSULATION
Manual initial start; sound insulation standard

GENERAL TECHNICAL SPECIFICATIONS

POWER FACTOR / POWER
cos φ = 0.8 (standard). kW = kVA × 0.8

FREQUENCY TOLERANCE / FREQUENCY & VOLTAGE
Max. ±0.5 Hz; ISO 8528-5, 0-to-full-load transition

VOLTAGE REGULATION / FREQUENCY & VOLTAGE
±1.0% static / ±0.5% dynamic

OPERATING FREQUENCY / FREQUENCY & VOLTAGE
50 Hz standard / 60 Hz optional

OUTPUT VOLTAGE / FREQUENCY & VOLTAGE
400/230 V ±5%, three phases + N + PE, star

GENERATOR TYPE / GENERATOR
Synchronous, brushless, AVR, IP23

INSULATION CLASS / GENERATOR
H class (180 °C)

COOLING METHOD / COOLING
Air-cooled, high-efficiency axial system

MAX. AMBIENT TEMPERATURE / COOLING
Up to +50 °C at full load; high-altitude version +40 °C at 2,500 m

CONTROL PANEL / CONTROL
Digital microprocessor, LCD, TR/ENG; AMF/ATS compatible

MEASURED VALUES / CONTROL
V, A, Hz, kW, kVA, PF, kWh, oil pressure, water temp, rpm

PROTECTION FUNCTIONS / PROTECTION
Overspeed; low oil pressure; high coolant temperature; overcurrent; short circuit; phase loss; voltage imbalance

INTERFACES / REMOTE MONITORING
CAN-BUS / Modbus RTU/TCP; SCADA/IIoT; optional 4G

NOISE LEVEL / MECHANICAL
≤68–75 dB(A) at 7 m (ISO 3744); container version ≤62 dB(A)

VIBRATION ISOLATION / MECHANICAL
Spring / pneumatic isolators; integrated into chassis

PROTECTION CLASS / MECHANICAL
IP23 open / IP54 with switchgear cabinet / IP65 container

PAINT COATING / MECHANICAL
≥120 µm, ISO 12944-2 C4; aggressive industrial / marine environments

FIRE SUPPRESSION / SAFETY
Thermal detection, HFC-227ea; TS EN 12094-14

EMERGENCY STOP / SAFETY
Mechanically locked, dual-direction; local + remote

CAMERAS / SAFETY
Four night-vision cameras; 24/7 recording, cloud integration

PHYSICAL PROTECTION / SAFETY
S355JR steel chassis; lockable doors; grounding connection

EXTRA FEATURES / HARDWARE
Automatic oil/coolant control; CAN-BUS; C4 corrosion protection; IP67 connections; remote monitoring

CERTIFICATION DOCUMENTATION REFERENCE

REFERENCE CAC-M.ST.1279.02 | ISSUE 23.08.2024 | DOCUMENT 26.08.2025/01

STATED VALIDITY 22.08.2027 | 2006/42/EC MACHINERY DIRECTIVE

EN ISO 12100 • EN 60204-1 | Applicable scope for EFL-branded final assembly to be confirmed.

Product dimensions may vary with ambient temperature, humidity and final installation conditions.

EFL100 | 100 kW

HYBRID GENERATOR / EFL PRODUCT FAMILY

E-FLUXER GEN 1 / ENCLOSURE CONCEPT

EFL100



ENCLOSURE VISUALISATION

Model-specific dimension callouts are shown on the illustration.

Electrical ratings and physical data appear in the product specification.

DIMENSIONED ENCLOSURE ILLUSTRATION | L × W × H as declared | architecture and detail illustrative

PRODUCT RATINGS & PHYSICAL DATA

ACTIVE POWER	APPARENT POWER
100 kW	125 kVA
ENERGY CAPACITY	**APPROX. WEIGHT**
100 kWh	7,000 kg

ENCLOSURE DIMENSIONS / L × W × H

370 × 170 × 180 cm

Standard electrical basis: 380/400 V; 3 phase + neutral + protective earth; 50 Hz (60 Hz optional); air-cooled; manufacturer-stated commissioning time ≤20 minutes from cold start to full load.

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EFL100 | TECHNICAL SPECIFICATIONS

ACTIVE POWER	APPARENT POWER	ENERGY CAPACITY
100 kW	125 kVA	100 kWh

PRODUCT CONFIGURATION & PHYSICAL INFORMATION

DEVICE TYPE
Hybrid Generator

COOLING SYSTEM
Air cooled

MODEL CODE
EFL100

APPROXIMATE WEIGHT
7,000 kg

FREQUENCY / VOLTAGE
50/60 Hz; 380/400 V; 3 phase + N + PE

DIMENSIONS (L × W × H)
370 × 170 × 180 cm

MOTOR START
Electric starter motor (380 V; 3 phase; 50/60 Hz)

SAFETY SYSTEMS
Emergency stop; integrated fire suppression; 24/7 camera monitoring

COMMISSIONING TIME
≤20 min from cold start to full load

INITIAL CONTROL MODE / INSULATION
Manual initial start; sound insulation standard

GENERAL TECHNICAL SPECIFICATIONS

POWER FACTOR / POWER
cos φ = 0.8 (standard). kW = kVA × 0.8

FREQUENCY TOLERANCE / FREQUENCY & VOLTAGE
Max. ±0.5 Hz; ISO 8528-5, 0-to-full-load transition

VOLTAGE REGULATION / FREQUENCY & VOLTAGE
±1.0% static / ±0.5% dynamic

OPERATING FREQUENCY / FREQUENCY & VOLTAGE
50 Hz standard / 60 Hz optional

OUTPUT VOLTAGE / FREQUENCY & VOLTAGE
400/230 V ±5%, three phases + N + PE, star

GENERATOR TYPE / GENERATOR
Synchronous, brushless, AVR, IP23

INSULATION CLASS / GENERATOR
H class (180 °C)

COOLING METHOD / COOLING
Air-cooled, high-efficiency axial system

MAX. AMBIENT TEMPERATURE / COOLING
Up to +50 °C at full load; high-altitude version +40 °C at 2,500 m

CONTROL PANEL / CONTROL
Digital microprocessor, LCD, TR/ENG; AMF/ATS compatible

MEASURED VALUES / CONTROL
V, A, Hz, kW, kVA, PF, kWh, oil pressure, water temp, rpm

PROTECTION FUNCTIONS / PROTECTION
Overspeed; low oil pressure; high coolant temperature; overcurrent; short circuit; phase loss; voltage imbalance

INTERFACES / REMOTE MONITORING
CAN-BUS / Modbus RTU/TCP; SCADA/IIoT; optional 4G

NOISE LEVEL / MECHANICAL
≤68–75 dB(A) at 7 m (ISO 3744); container version ≤62 dB(A)

VIBRATION ISOLATION / MECHANICAL
Spring / pneumatic isolators; integrated into chassis

PROTECTION CLASS / MECHANICAL
IP23 open / IP54 with switchgear cabinet / IP65 container

PAINT COATING / MECHANICAL
≥120 µm, ISO 12944-2 C4; aggressive industrial / marine environments

FIRE SUPPRESSION / SAFETY
Thermal detection, HFC-227ea; TS EN 12094-14

EMERGENCY STOP / SAFETY
Mechanically locked, dual-direction; local + remote

CAMERAS / SAFETY
Four night-vision cameras; 24/7 recording, cloud integration

PHYSICAL PROTECTION / SAFETY
S355JR steel chassis; lockable doors; grounding connection

EXTRA FEATURES / HARDWARE
Automatic oil/coolant control; CAN-BUS; C4 corrosion protection; IP67 connections; remote monitoring

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EN ISO 12100 • EN 60204-1 | Applicable scope for EFL-branded final assembly to be confirmed.

Product dimensions may vary with ambient temperature, humidity and final installation conditions.

EFL250 | 250 kW

HYBRID GENERATOR / EFL PRODUCT FAMILY

E-FLUXER GEN 1 / ENCLOSURE CONCEPT

EFL250



ENCLOSURE VISUALISATION

Model-specific dimension callouts are shown on the illustration.

Electrical ratings and physical data appear in the product specification.

DIMENSIONED ENCLOSURE ILLUSTRATION | L × W × H as declared | architecture and detail illustrative

PRODUCT RATINGS & PHYSICAL DATA

ACTIVE POWER 250 kW	APPARENT POWER 320 kVA
ENERGY CAPACITY 250 kWh	APPROX. WEIGHT 8,500 kg

ENCLOSURE DIMENSIONS / L × W × H

400 × 170 × 180 cm

Standard electrical basis: 380/400 V; 3 phase + neutral + protective earth; 50 Hz (60 Hz optional); air-cooled; manufacturer-stated commissioning time ≤20 minutes from cold start to full load.

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EFL250 | TECHNICAL SPECIFICATIONS

ACTIVE POWER	APPARENT POWER	ENERGY CAPACITY
250 kW	320 kVA	250 kWh

PRODUCT CONFIGURATION & PHYSICAL INFORMATION

DEVICE TYPE Hybrid Generator	**COOLING SYSTEM** Air cooled
MODEL CODE EFL250	**APPROXIMATE WEIGHT** 8,500 kg
FREQUENCY / VOLTAGE 50/60 Hz; 380/400 V; 3 phase + N + PE	**DIMENSIONS (L × W × H)** 400 × 170 × 180 cm
MOTOR START Electric starter motor (380 V; 3 phase; 50/60 Hz)	**SAFETY SYSTEMS** Emergency stop; integrated fire suppression; 24/7 camera monitoring
COMMISSIONING TIME ≤20 min from cold start to full load	**INITIAL CONTROL MODE / INSULATION** Manual initial start; sound insulation standard

GENERAL TECHNICAL SPECIFICATIONS

POWER FACTOR / POWER cos φ = 0.8 (standard). kW = kVA × 0.8	**PROTECTION FUNCTIONS / PROTECTION** Overspeed; low oil pressure; high coolant temperature; overcurrent; short circuit; phase loss; voltage imbalance
FREQUENCY TOLERANCE / FREQUENCY & VOLTAGE Max. ±0.5 Hz; ISO 8528-5, 0-to-full-load transition	**INTERFACES / REMOTE MONITORING** CAN-BUS / Modbus RTU/TCP; SCADA/IIoT; optional 4G
VOLTAGE REGULATION / FREQUENCY & VOLTAGE ±1.0% static / ±0.5% dynamic	**NOISE LEVEL / MECHANICAL** ≤68–75 dB(A) at 7 m (ISO 3744); container version ≤62 dB(A)
OPERATING FREQUENCY / FREQUENCY & VOLTAGE 50 Hz standard / 60 Hz optional	**VIBRATION ISOLATION / MECHANICAL** Spring / pneumatic isolators; integrated into chassis
OUTPUT VOLTAGE / FREQUENCY & VOLTAGE 400/230 V ±5%, three phases + N + PE, star	**PROTECTION CLASS / MECHANICAL** IP23 open / IP54 with switchgear cabinet / IP65 container
GENERATOR TYPE / GENERATOR Synchronous, brushless, AVR, IP23	**PAINT COATING / MECHANICAL** ≥120 µm, ISO 12944-2 C4; aggressive industrial / marine environments
INSULATION CLASS / GENERATOR H class (180 °C)	**FIRE SUPPRESSION / SAFETY** Thermal detection, HFC-227ea; TS EN 12094-14
COOLING METHOD / COOLING Air-cooled, high-efficiency axial system	**EMERGENCY STOP / SAFETY** Mechanically locked, dual-direction; local + remote
MAX. AMBIENT TEMPERATURE / COOLING Up to +50 °C at full load; high-altitude version +40 °C at 2,500 m	**CAMERAS / SAFETY** Four night-vision cameras; 24/7 recording, cloud integration
CONTROL PANEL / CONTROL Digital microprocessor, LCD, TR/ENG; AMF/ATS compatible	**PHYSICAL PROTECTION / SAFETY** S355JR steel chassis; lockable doors; grounding connection
MEASURED VALUES / CONTROL V, A, Hz, kW, kVA, PF, kWh, oil pressure, water temp, rpm	**EXTRA FEATURES / HARDWARE** Automatic oil/coolant control; CAN-BUS; C4 corrosion protection; IP67 connections; remote monitoring

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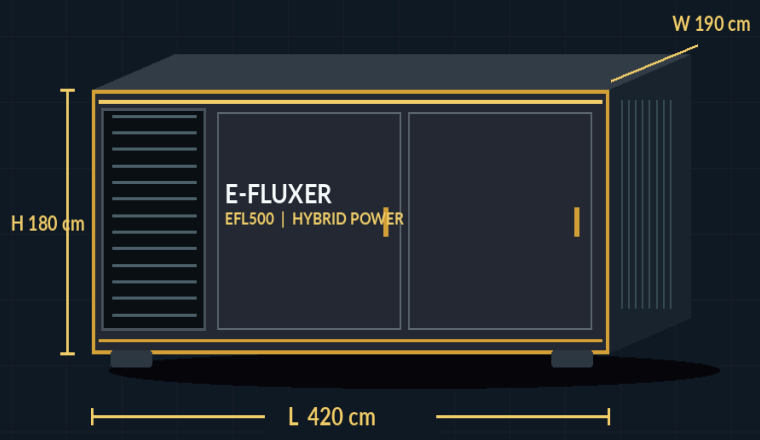
Product dimensions may vary with ambient temperature, humidity and final installation conditions.

EFL500 | 500 kW

HYBRID GENERATOR / EFL PRODUCT FAMILY

E-FLUXER GEN 1 / ENCLOSURE CONCEPT

EFL500



ENCLOSURE VISUALISATION

Model-specific dimension callouts are shown on the illustration.

Electrical ratings and physical data appear in the product specification.

DIMENSIONED ENCLOSURE ILLUSTRATION | L × W × H as declared | architecture and detail illustrative

PRODUCT RATINGS & PHYSICAL DATA

ACTIVE POWER 500 kW	APPARENT POWER 635 kVA
ENERGY CAPACITY 500 kWh	APPROX. WEIGHT 9,000 kg

ENCLOSURE DIMENSIONS / L × W × H

420 × 190 × 180 cm

Standard electrical basis: 380/400 V; 3 phase + neutral + protective earth; 50 Hz (60 Hz optional); air-cooled; manufacturer-stated commissioning time ≤20 minutes from cold start to full load.

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EFL500 | TECHNICAL SPECIFICATIONS

ACTIVE POWER	APPARENT POWER	ENERGY CAPACITY
500 kW	635 kVA	500 kWh

PRODUCT CONFIGURATION & PHYSICAL INFORMATION

DEVICE TYPE
Hybrid Generator

COOLING SYSTEM
Air cooled

MODEL CODE
EFL500

APPROXIMATE WEIGHT
9,000 kg

FREQUENCY / VOLTAGE
50/60 Hz; 380/400 V; 3 phase + N + PE

DIMENSIONS (L × W × H)
420 × 190 × 180 cm

MOTOR START
Electric starter motor (380 V; 3 phase; 50/60 Hz)

SAFETY SYSTEMS
Emergency stop; integrated fire suppression; 24/7 camera monitoring

COMMISSIONING TIME
≤20 min from cold start to full load

INITIAL CONTROL MODE / INSULATION
Manual initial start; sound insulation standard

GENERAL TECHNICAL SPECIFICATIONS

POWER FACTOR / POWER
cos φ = 0.8 (standard). kW = kVA × 0.8

FREQUENCY TOLERANCE / FREQUENCY & VOLTAGE
Max. ±0.5 Hz; ISO 8528-5, 0-to-full-load transition

VOLTAGE REGULATION / FREQUENCY & VOLTAGE
±1.0% static / ±0.5% dynamic

OPERATING FREQUENCY / FREQUENCY & VOLTAGE
50 Hz standard / 60 Hz optional

OUTPUT VOLTAGE / FREQUENCY & VOLTAGE
400/230 V ±5%, three phases + N + PE, star

GENERATOR TYPE / GENERATOR
Synchronous, brushless, AVR, IP23

INSULATION CLASS / GENERATOR
H class (180 °C)

COOLING METHOD / COOLING
Air-cooled, high-efficiency axial system

MAX. AMBIENT TEMPERATURE / COOLING
Up to +50 °C at full load; high-altitude version +40 °C at 2,500 m

CONTROL PANEL / CONTROL
Digital microprocessor, LCD, TR/ENG; AMF/ATS compatible

MEASURED VALUES / CONTROL
V, A, Hz, kW, kVA, PF, kWh, oil pressure, water temp, rpm

PROTECTION FUNCTIONS / PROTECTION
Overspeed; low oil pressure; high coolant temperature; overcurrent; short circuit; phase loss; voltage imbalance

INTERFACES / REMOTE MONITORING
CAN-BUS / Modbus RTU/TCP; SCADA/IIoT; optional 4G

NOISE LEVEL / MECHANICAL
≤68–75 dB(A) at 7 m (ISO 3744); container version ≤62 dB(A)

VIBRATION ISOLATION / MECHANICAL
Spring / pneumatic isolators; integrated into chassis

PROTECTION CLASS / MECHANICAL
IP23 open / IP54 with switchgear cabinet / IP65 container

PAINT COATING / MECHANICAL
≥120 µm, ISO 12944-2 C4; aggressive industrial / marine environments

FIRE SUPPRESSION / SAFETY
Thermal detection, HFC-227ea; TS EN 12094-14

EMERGENCY STOP / SAFETY
Mechanically locked, dual-direction; local + remote

CAMERAS / SAFETY
Four night-vision cameras; 24/7 recording, cloud integration

PHYSICAL PROTECTION / SAFETY
S355JR steel chassis; lockable doors; grounding connection

EXTRA FEATURES / HARDWARE
Automatic oil/coolant control; CAN-BUS; C4 corrosion protection; IP67 connections; remote monitoring

CERTIFICATION DOCUMENTATION REFERENCE

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STATED VALIDITY 22.08.2027 | 2006/42/EC MACHINERY DIRECTIVE

EN ISO 12100 • EN 60204-1 | Applicable scope for EFL-branded final assembly to be confirmed.

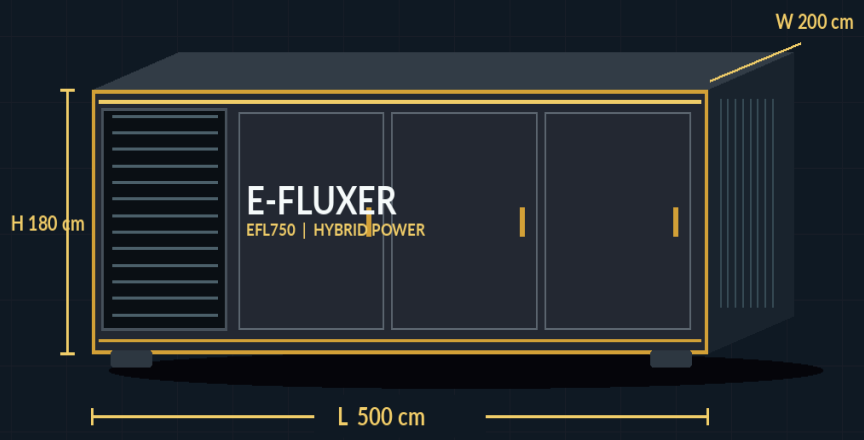
Product dimensions may vary with ambient temperature, humidity and final installation conditions.

EFL750 | 750 kW

HYBRID GENERATOR / EFL PRODUCT FAMILY

E-FLUXER GEN 1 / ENCLOSURE CONCEPT

EFL750



ENCLOSURE VISUALISATION

Model-specific dimension callouts are shown on the illustration.

Electrical ratings and physical data appear in the product specification.

DIMENSIONED ENCLOSURE ILLUSTRATION | L × W × H as declared | architecture and detail illustrative

PRODUCT RATINGS & PHYSICAL DATA

ACTIVE POWER 750 kW	APPARENT POWER 940 kVA
ENERGY CAPACITY 750 kWh	APPROX. WEIGHT 10,000 kg

ENCLOSURE DIMENSIONS / L × W × H

500 × 200 × 180 cm

Standard electrical basis: 380/400 V; 3 phase + neutral + protective earth; 50 Hz (60 Hz optional); air-cooled; manufacturer-stated commissioning time ≤20 minutes from cold start to full load.

Illustration is E-FLUXER-branded and dimensioned from the supplied enclosure envelope; not certified CAD or a model-specific product photograph. Physical measurements may change with installation conditions.

EFL750 | TECHNICAL SPECIFICATIONS

ACTIVE POWER	APPARENT POWER	ENERGY CAPACITY
750 kW	940 kVA	750 kWh

PRODUCT CONFIGURATION & PHYSICAL INFORMATION

DEVICE TYPE
Hybrid Generator

MODEL CODE
EFL750

FREQUENCY / VOLTAGE
50/60 Hz; 380/400 V; 3 phase + N + PE

MOTOR START
Electric starter motor (380 V; 3 phase; 50/60 Hz)

COMMISSIONING TIME
≤20 min from cold start to full load

COOLING SYSTEM
Air cooled

APPROXIMATE WEIGHT
10,000 kg

DIMENSIONS (L × W × H)
500 × 200 × 180 cm

SAFETY SYSTEMS
Emergency stop; integrated fire suppression; 24/7 camera monitoring

INITIAL CONTROL MODE / INSULATION
Manual initial start; sound insulation standard

GENERAL TECHNICAL SPECIFICATIONS

POWER FACTOR / POWER
cos φ = 0.8 (standard). kW = kVA × 0.8

FREQUENCY TOLERANCE / FREQUENCY & VOLTAGE
Max. ±0.5 Hz; ISO 8528-5, 0-to-full-load transition

VOLTAGE REGULATION / FREQUENCY & VOLTAGE
±1.0% static / ±0.5% dynamic

OPERATING FREQUENCY / FREQUENCY & VOLTAGE
50 Hz standard / 60 Hz optional

OUTPUT VOLTAGE / FREQUENCY & VOLTAGE
400/230 V ±5%, three phases + N + PE, star

GENERATOR TYPE / GENERATOR
Synchronous, brushless, AVR, IP23

INSULATION CLASS / GENERATOR
H class (180 °C)

COOLING METHOD / COOLING
Air-cooled, high-efficiency axial system

MAX. AMBIENT TEMPERATURE / COOLING
Up to +50 °C at full load; high-altitude version +40 °C at 2,500 m

CONTROL PANEL / CONTROL
Digital microprocessor, LCD, TR/ENG; AMF/ATS compatible

MEASURED VALUES / CONTROL
V, A, Hz, kW, kVA, PF, kWh, oil pressure, water temp, rpm

PROTECTION FUNCTIONS / PROTECTION
Overspeed; low oil pressure; high coolant temperature; overcurrent; short circuit; phase loss; voltage imbalance

INTERFACES / REMOTE MONITORING
CAN-BUS / Modbus RTU/TCP; SCADA/IIoT; optional 4G

NOISE LEVEL / MECHANICAL
≤68–75 dB(A) at 7 m (ISO 3744); container version ≤62 dB(A)

VIBRATION ISOLATION / MECHANICAL
Spring / pneumatic isolators; integrated into chassis

PROTECTION CLASS / MECHANICAL
IP23 open / IP54 with switchgear cabinet / IP65 container

PAINT COATING / MECHANICAL
≥120 µm, ISO 12944-2 C4; aggressive industrial / marine environments

FIRE SUPPRESSION / SAFETY
Thermal detection, HFC-227ea; TS EN 12094-14

EMERGENCY STOP / SAFETY
Mechanically locked, dual-direction; local + remote

CAMERAS / SAFETY
Four night-vision cameras; 24/7 recording, cloud integration

PHYSICAL PROTECTION / SAFETY
S355JR steel chassis; lockable doors; grounding connection

EXTRA FEATURES / HARDWARE
Automatic oil/coolant control; CAN-BUS; C4 corrosion protection; IP67 connections; remote monitoring

CERTIFICATION DOCUMENTATION REFERENCE

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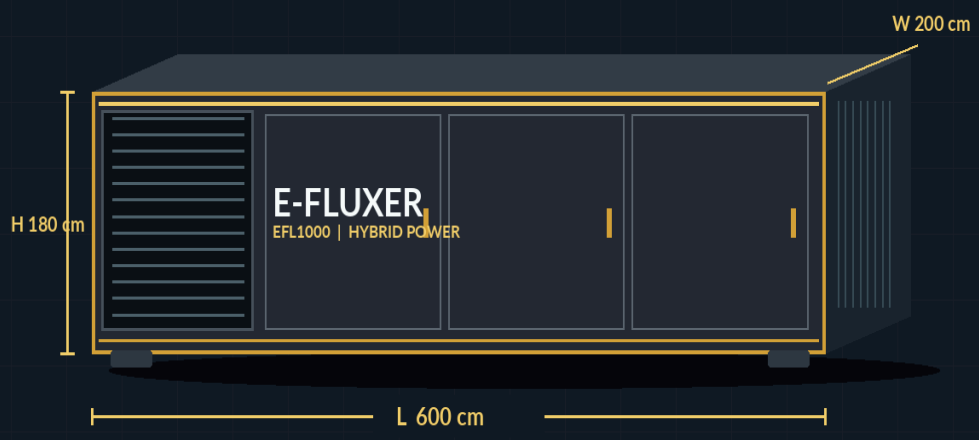
Product dimensions may vary with ambient temperature, humidity and final installation conditions.

EFL1000 | 1 MW

HYBRID GENERATOR / EFL PRODUCT FAMILY

E-FLUXER GEN 1 / ENCLOSURE CONCEPT

EFL1000



ENCLOSURE VISUALISATION

Model-specific dimension callouts are shown on the illustration.

Electrical ratings and physical data appear in the product specification.

DIMENSIONED ENCLOSURE ILLUSTRATION | L × W × H as declared | architecture and detail illustrative

PRODUCT RATINGS & PHYSICAL DATA

ACTIVE POWER	APPARENT POWER
1,000 kW	1,250 kVA
ENERGY CAPACITY	**APPROX. WEIGHT**
1,000 kWh	11,000 kg

ENCLOSURE DIMENSIONS / L × W × H

600 × 200 × 180 cm

Standard electrical basis: 380/400 V; 3 phase + neutral + protective earth; 50 Hz (60 Hz optional); air-cooled; manufacturer-stated commissioning time ≤20 minutes from cold start to full load.

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EFL1000 | TECHNICAL SPECIFICATIONS

ACTIVE POWER	APPARENT POWER	ENERGY CAPACITY
1,000 kW	1,250 kVA	1,000 kWh

PRODUCT CONFIGURATION & PHYSICAL INFORMATION

DEVICE TYPE
Hybrid Generator

COOLING SYSTEM
Air cooled

MODEL CODE
EFL1000

APPROXIMATE WEIGHT
11,000 kg

FREQUENCY / VOLTAGE
50/60 Hz; 380/400 V; 3 phase + N + PE

DIMENSIONS (L × W × H)
600 × 200 × 180 cm

MOTOR START
Electric starter motor (380 V; 3 phase; 50/60 Hz)

SAFETY SYSTEMS
Emergency stop; integrated fire suppression; 24/7 camera monitoring

COMMISSIONING TIME
≤20 min from cold start to full load

INITIAL CONTROL MODE / INSULATION
Manual initial start; sound insulation standard

GENERAL TECHNICAL SPECIFICATIONS

POWER FACTOR / POWER
cos φ = 0.8 (standard). kW = kVA × 0.8

FREQUENCY TOLERANCE / FREQUENCY & VOLTAGE
Max. ±0.5 Hz; ISO 8528-5, 0-to-full-load transition

VOLTAGE REGULATION / FREQUENCY & VOLTAGE
±1.0% static / ±0.5% dynamic

OPERATING FREQUENCY / FREQUENCY & VOLTAGE
50 Hz standard / 60 Hz optional

OUTPUT VOLTAGE / FREQUENCY & VOLTAGE
400/230 V ±5%, three phases + N + PE, star

GENERATOR TYPE / GENERATOR
Synchronous, brushless, AVR, IP23

INSULATION CLASS / GENERATOR
H class (180 °C)

COOLING METHOD / COOLING
Air-cooled, high-efficiency axial system

MAX. AMBIENT TEMPERATURE / COOLING
Up to +50 °C at full load; high-altitude version +40 °C at 2,500 m

CONTROL PANEL / CONTROL
Digital microprocessor, LCD, TR/ENG; AMF/ATS compatible

MEASURED VALUES / CONTROL
V, A, Hz, kW, kVA, PF, kWh, oil pressure, water temp, rpm

PROTECTION FUNCTIONS / PROTECTION
Overspeed; low oil pressure; high coolant temperature; overcurrent; short circuit; phase loss; voltage imbalance

INTERFACES / REMOTE MONITORING
CAN-BUS / Modbus RTU/TCP; SCADA/IIoT; optional 4G

NOISE LEVEL / MECHANICAL
≤68–75 dB(A) at 7 m (ISO 3744); container version ≤62 dB(A)

VIBRATION ISOLATION / MECHANICAL
Spring / pneumatic isolators; integrated into chassis

PROTECTION CLASS / MECHANICAL
IP23 open / IP54 with switchgear cabinet / IP65 container

PAINT COATING / MECHANICAL
≥120 µm, ISO 12944-2 C4; aggressive industrial / marine environments

FIRE SUPPRESSION / SAFETY
Thermal detection, HFC-227ea; TS EN 12094-14

EMERGENCY STOP / SAFETY
Mechanically locked, dual-direction; local + remote

CAMERAS / SAFETY
Four night-vision cameras; 24/7 recording, cloud integration

PHYSICAL PROTECTION / SAFETY
S355JR steel chassis; lockable doors; grounding connection

EXTRA FEATURES / HARDWARE
Automatic oil/coolant control; CAN-BUS; C4 corrosion protection; IP67 connections; remote monitoring

CERTIFICATION DOCUMENTATION REFERENCE

REFERENCE CAC-M.ST.1279.02 | ISSUE 23.08.2024 | DOCUMENT 26.08.2025/01

STATED VALIDITY 22.08.2027 | 2006/42/EC MACHINERY DIRECTIVE

EN ISO 12100 • EN 60204-1 | Applicable scope for EFL-branded final assembly to be confirmed.

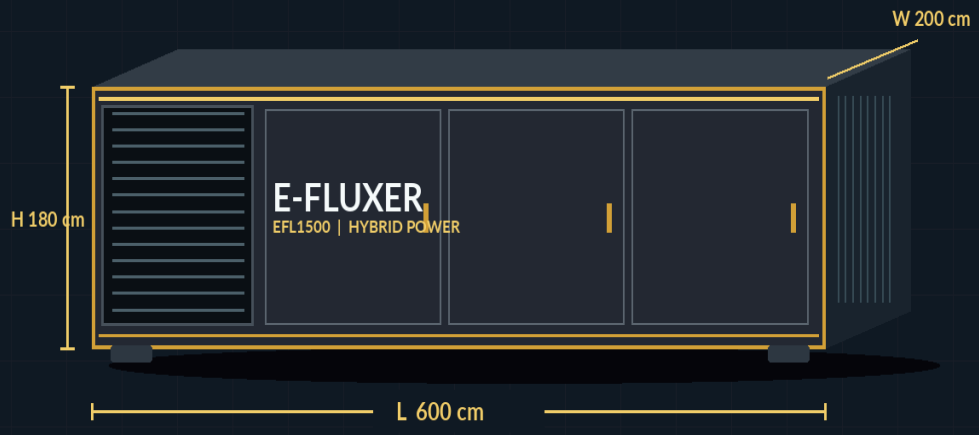
Product dimensions may vary with ambient temperature, humidity and final installation conditions.

EFL1500 | 1.5 MW

HYBRID GENERATOR / EFL PRODUCT FAMILY

E-FLUXER GEN 1 / ENCLOSURE CONCEPT

EFL1500



ENCLOSURE VISUALISATION

Model-specific dimension callouts are shown on the illustration.

Electrical ratings and physical data appear in the product specification.

DIMENSIONED ENCLOSURE ILLUSTRATION | L × W × H as declared | architecture and detail illustrative

PRODUCT RATINGS & PHYSICAL DATA

ACTIVE POWER	APPARENT POWER
1,500 kW	1,875 kVA

ENERGY CAPACITY	APPROX. WEIGHT
1,500 kWh	12,000 kg

ENCLOSURE DIMENSIONS / L × W × H

600 × 200 × 180 cm

Standard electrical basis: 380/400 V; 3 phase + neutral + protective earth; 50 Hz (60 Hz optional); air-cooled; manufacturer-stated commissioning time ≤20 minutes from cold start to full load.

Illustration is E-FLUXER-branded and dimensioned from the supplied enclosure envelope; not certified CAD or a model-specific product photograph. Physical measurements may change with installation conditions.

EFL1500 | TECHNICAL SPECIFICATIONS

ACTIVE POWER	APPARENT POWER	ENERGY CAPACITY
1,500 kW	1,875 kVA	1,500 kWh

PRODUCT CONFIGURATION & PHYSICAL INFORMATION

DEVICE TYPE
Hybrid Generator

COOLING SYSTEM
Air cooled

MODEL CODE
EFL1500

APPROXIMATE WEIGHT
12,000 kg

FREQUENCY / VOLTAGE
50/60 Hz; 380/400 V; 3 phase + N + PE

DIMENSIONS (L × W × H)
600 × 200 × 180 cm

MOTOR START
Electric starter motor (380 V; 3 phase; 50/60 Hz)

SAFETY SYSTEMS
Emergency stop; integrated fire suppression; 24/7 camera monitoring

COMMISSIONING TIME
≤20 min from cold start to full load

INITIAL CONTROL MODE / INSULATION
Manual initial start; sound insulation standard

GENERAL TECHNICAL SPECIFICATIONS

POWER FACTOR / POWER
cos φ = 0.8 (standard). kW = kVA × 0.8

FREQUENCY TOLERANCE / FREQUENCY & VOLTAGE
Max. ±0.5 Hz; ISO 8528-5, 0-to-full-load transition

VOLTAGE REGULATION / FREQUENCY & VOLTAGE
±1.0% static / ±0.5% dynamic

OPERATING FREQUENCY / FREQUENCY & VOLTAGE
50 Hz standard / 60 Hz optional

OUTPUT VOLTAGE / FREQUENCY & VOLTAGE
400/230 V ±5%, three phases + N + PE, star

GENERATOR TYPE / GENERATOR
Synchronous, brushless, AVR, IP23

INSULATION CLASS / GENERATOR
H class (180 °C)

COOLING METHOD / COOLING
Air-cooled, high-efficiency axial system

MAX. AMBIENT TEMPERATURE / COOLING
Up to +50 °C at full load; high-altitude version +40 °C at 2,500 m

CONTROL PANEL / CONTROL
Digital microprocessor, LCD, TR/ENG; AMF/ATS compatible

MEASURED VALUES / CONTROL
V, A, Hz, kW, kVA, PF, kWh, oil pressure, water temp, rpm

PROTECTION FUNCTIONS / PROTECTION
Overspeed; low oil pressure; high coolant temperature; overcurrent; short circuit; phase loss; voltage imbalance

INTERFACES / REMOTE MONITORING
CAN-BUS / Modbus RTU/TCP; SCADA/IIoT; optional 4G

NOISE LEVEL / MECHANICAL
≤68–75 dB(A) at 7 m (ISO 3744); container version ≤62 dB(A)

VIBRATION ISOLATION / MECHANICAL
Spring / pneumatic isolators; integrated into chassis

PROTECTION CLASS / MECHANICAL
IP23 open / IP54 with switchgear cabinet / IP65 container

PAINT COATING / MECHANICAL
≥120 µm, ISO 12944-2 C4; aggressive industrial / marine environments

FIRE SUPPRESSION / SAFETY
Thermal detection, HFC-227ea; TS EN 12094-14

EMERGENCY STOP / SAFETY
Mechanically locked, dual-direction; local + remote

CAMERAS / SAFETY
Four night-vision cameras; 24/7 recording, cloud integration

PHYSICAL PROTECTION / SAFETY
S355JR steel chassis; lockable doors; grounding connection

EXTRA FEATURES / HARDWARE
Automatic oil/coolant control; CAN-BUS; C4 corrosion protection; IP67 connections; remote monitoring

CERTIFICATION DOCUMENTATION REFERENCE

REFERENCE CAC-M.ST.1279.02 | ISSUE 23.08.2024 | DOCUMENT 26.08.2025/01

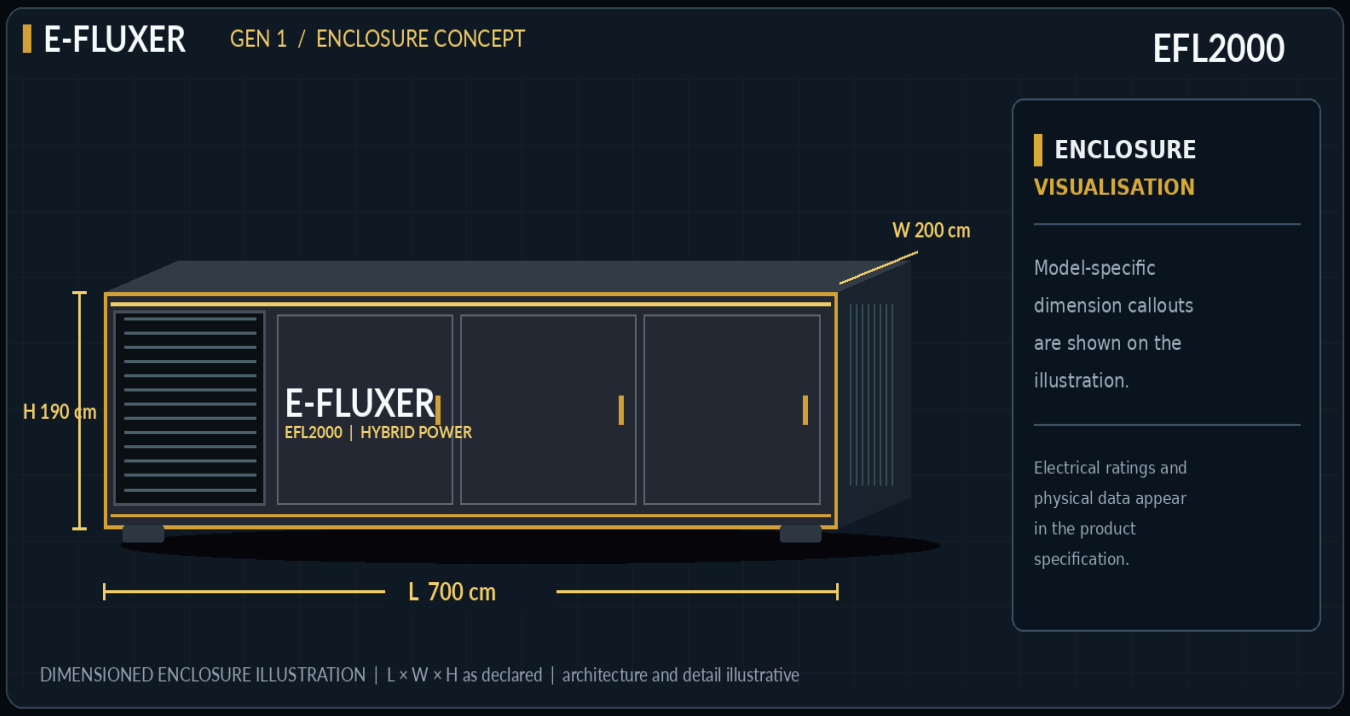
STATED VALIDITY 22.08.2027 | 2006/42/EC MACHINERY DIRECTIVE

EN ISO 12100 • EN 60204-1 | Applicable scope for EFL-branded final assembly to be confirmed.

Product dimensions may vary with ambient temperature, humidity and final installation conditions.

EFL2000 | 2 MW

HYBRID GENERATOR / EFL PRODUCT FAMILY



PRODUCT RATINGS & PHYSICAL DATA

ACTIVE POWER	APPARENT POWER
2,000 kW	2,500 kVA

ENERGY CAPACITY	APPROX. WEIGHT
2,000 kWh	13,000 kg

ENCLOSURE DIMENSIONS / L × W × H

700 × 200 × 190 cm

Standard electrical basis: 380/400 V; 3 phase + neutral + protective earth; 50 Hz (60 Hz optional); air-cooled; manufacturer-stated commissioning time ≤20 minutes from cold start to full load.

Illustration is E-FLUXER-branded and dimensioned from the supplied enclosure envelope; not certified CAD or a model-specific product photograph. Physical measurements may change with installation conditions.

EFL2000 | TECHNICAL SPECIFICATIONS

ACTIVE POWER	APPARENT POWER	ENERGY CAPACITY
2,000 kW	2,500 kVA	2,000 kWh

PRODUCT CONFIGURATION & PHYSICAL INFORMATION

DEVICE TYPE
Hybrid Generator

COOLING SYSTEM
Air cooled

MODEL CODE
EFL2000

APPROXIMATE WEIGHT
13,000 kg

FREQUENCY / VOLTAGE
50/60 Hz; 380/400 V; 3 phase + N + PE

DIMENSIONS (L × W × H)
700 × 200 × 190 cm

MOTOR START
Electric starter motor (380 V; 3 phase; 50/60 Hz)

SAFETY SYSTEMS
Emergency stop; integrated fire suppression; 24/7 camera monitoring

COMMISSIONING TIME
≤20 min from cold start to full load

INITIAL CONTROL MODE / INSULATION
Manual initial start; sound insulation standard

GENERAL TECHNICAL SPECIFICATIONS

POWER FACTOR / POWER
cos φ = 0.8 (standard). kW = kVA × 0.8

FREQUENCY TOLERANCE / FREQUENCY & VOLTAGE
Max. ±0.5 Hz; ISO 8528-5, 0-to-full-load transition

VOLTAGE REGULATION / FREQUENCY & VOLTAGE
±1.0% static / ±0.5% dynamic

OPERATING FREQUENCY / FREQUENCY & VOLTAGE
50 Hz standard / 60 Hz optional

OUTPUT VOLTAGE / FREQUENCY & VOLTAGE
400/230 V ±5%, three phases + N + PE, star

GENERATOR TYPE / GENERATOR
Synchronous, brushless, AVR, IP23

INSULATION CLASS / GENERATOR
H class (180 °C)

COOLING METHOD / COOLING
Air-cooled, high-efficiency axial system

MAX. AMBIENT TEMPERATURE / COOLING
Up to +50 °C at full load; high-altitude version +40 °C at 2,500 m

CONTROL PANEL / CONTROL
Digital microprocessor, LCD, TR/ENG; AMF/ATS compatible

MEASURED VALUES / CONTROL
V, A, Hz, kW, kVA, PF, kWh, oil pressure, water temp, rpm

PROTECTION FUNCTIONS / PROTECTION
Overspeed; low oil pressure; high coolant temperature; overcurrent; short circuit; phase loss; voltage imbalance

INTERFACES / REMOTE MONITORING
CAN-BUS / Modbus RTU/TCP; SCADA/IIoT; optional 4G

NOISE LEVEL / MECHANICAL
≤68–75 dB(A) at 7 m (ISO 3744); container version ≤62 dB(A)

VIBRATION ISOLATION / MECHANICAL
Spring / pneumatic isolators; integrated into chassis

PROTECTION CLASS / MECHANICAL
IP23 open / IP54 with switchgear cabinet / IP65 container

PAINT COATING / MECHANICAL
≥120 µm, ISO 12944-2 C4; aggressive industrial / marine environments

FIRE SUPPRESSION / SAFETY
Thermal detection, HFC-227ea; TS EN 12094-14

EMERGENCY STOP / SAFETY
Mechanically locked, dual-direction; local + remote

CAMERAS / SAFETY
Four night-vision cameras; 24/7 recording, cloud integration

PHYSICAL PROTECTION / SAFETY
S355JR steel chassis; lockable doors; grounding connection

EXTRA FEATURES / HARDWARE
Automatic oil/coolant control; CAN-BUS; C4 corrosion protection; IP67 connections; remote monitoring

CERTIFICATION DOCUMENTATION REFERENCE

REFERENCE CAC-M.ST.1279.02 | ISSUE 23.08.2024 | DOCUMENT 26.08.2025/01

STATED VALIDITY 22.08.2027 | 2006/42/EC MACHINERY DIRECTIVE

EN ISO 12100 • EN 60204-1 | Applicable scope for EFL-branded final assembly to be confirmed.

Product dimensions may vary with ambient temperature, humidity and final installation conditions.

EFL2500 | 2.5 MW

HYBRID GENERATOR / EFL PRODUCT FAMILY

E-FLUXER GEN 1 / ENCLOSURE CONCEPT

EFL2500



ENCLOSURE VISUALISATION

Model-specific dimension callouts are shown on the illustration.

Electrical ratings and physical data appear in the product specification.

DIMENSIONED ENCLOSURE ILLUSTRATION | L × W × H as declared | architecture and detail illustrative

PRODUCT RATINGS & PHYSICAL DATA

ACTIVE POWER	APPARENT POWER
2,500 kW	3,135 kVA
ENERGY CAPACITY	**APPROX. WEIGHT**
2,500 kWh	14,000 kg

ENCLOSURE DIMENSIONS / L × W × H

800 × 250 × 200 cm

Standard electrical basis: 380/400 V; 3 phase + neutral + protective earth; 50 Hz (60 Hz optional); air-cooled; manufacturer-stated commissioning time ≤20 minutes from cold start to full load.

Illustration is E-FLUXER-branded and dimensioned from the supplied enclosure envelope; not certified CAD or a model-specific product photograph. Physical measurements may change with installation conditions.

EFL2500 | TECHNICAL SPECIFICATIONS

ACTIVE POWER	APPARENT POWER	ENERGY CAPACITY
2,500 kW	3,135 kVA	2,500 kWh

PRODUCT CONFIGURATION & PHYSICAL INFORMATION

DEVICE TYPE
Hybrid Generator

MODEL CODE
EFL2500

FREQUENCY / VOLTAGE
50/60 Hz; 380/400 V; 3 phase + N + PE

MOTOR START
Electric starter motor (380 V; 3 phase; 50/60 Hz)

COMMISSIONING TIME
≤20 min from cold start to full load

COOLING SYSTEM
Air cooled

APPROXIMATE WEIGHT
14,000 kg

DIMENSIONS (L × W × H)
800 × 250 × 200 cm

SAFETY SYSTEMS
Emergency stop; integrated fire suppression; 24/7 camera monitoring

INITIAL CONTROL MODE / INSULATION
Manual initial start; sound insulation standard

GENERAL TECHNICAL SPECIFICATIONS

POWER FACTOR / POWER
cos φ = 0.8 (standard). kW = kVA × 0.8

FREQUENCY TOLERANCE / FREQUENCY & VOLTAGE
Max. ±0.5 Hz; ISO 8528-5, 0-to-full-load transition

VOLTAGE REGULATION / FREQUENCY & VOLTAGE
±1.0% static / ±0.5% dynamic

OPERATING FREQUENCY / FREQUENCY & VOLTAGE
50 Hz standard / 60 Hz optional

OUTPUT VOLTAGE / FREQUENCY & VOLTAGE
400/230 V ±5%, three phases + N + PE, star

GENERATOR TYPE / GENERATOR
Synchronous, brushless, AVR, IP23

INSULATION CLASS / GENERATOR
H class (180 °C)

COOLING METHOD / COOLING
Air-cooled, high-efficiency axial system

MAX. AMBIENT TEMPERATURE / COOLING
Up to +50 °C at full load; high-altitude version +40 °C at 2,500 m

CONTROL PANEL / CONTROL
Digital microprocessor, LCD, TR/ENG; AMF/ATS compatible

MEASURED VALUES / CONTROL
V, A, Hz, kW, kVA, PF, kWh, oil pressure, water temp, rpm

PROTECTION FUNCTIONS / PROTECTION
Overspeed; low oil pressure; high coolant temperature; overcurrent; short circuit; phase loss; voltage imbalance

INTERFACES / REMOTE MONITORING
CAN-BUS / Modbus RTU/TCP; SCADA/IIoT; optional 4G

NOISE LEVEL / MECHANICAL
≤68–75 dB(A) at 7 m (ISO 3744); container version ≤62 dB(A)

VIBRATION ISOLATION / MECHANICAL
Spring / pneumatic isolators; integrated into chassis

PROTECTION CLASS / MECHANICAL
IP23 open / IP54 with switchgear cabinet / IP65 container

PAINT COATING / MECHANICAL
≥120 µm, ISO 12944-2 C4; aggressive industrial / marine environments

FIRE SUPPRESSION / SAFETY
Thermal detection, HFC-227ea; TS EN 12094-14

EMERGENCY STOP / SAFETY
Mechanically locked, dual-direction; local + remote

CAMERAS / SAFETY
Four night-vision cameras; 24/7 recording, cloud integration

PHYSICAL PROTECTION / SAFETY
S355JR steel chassis; lockable doors; grounding connection

EXTRA FEATURES / HARDWARE
Automatic oil/coolant control; CAN-BUS; C4 corrosion protection; IP67 connections; remote monitoring

CERTIFICATION DOCUMENTATION REFERENCE

REFERENCE CAC-M.ST.1279.02 | ISSUE 23.08.2024 | DOCUMENT 26.08.2025/01
STATED VALIDITY 22.08.2027 | 2006/42/EC MACHINERY DIRECTIVE
EN ISO 12100 • EN 60204-1 | Applicable scope for EFL-branded final assembly to be confirmed.

Product dimensions may vary with ambient temperature, humidity and final installation conditions.

EFL3000 | 3 MW

HYBRID GENERATOR / EFL PRODUCT FAMILY

E-FLUXER GEN 1 / ENCLOSURE CONCEPT

EFL3000



ENCLOSURE VISUALISATION

Model-specific dimension callouts are shown on the illustration.

Electrical ratings and physical data appear in the product specification.

DIMENSIONED ENCLOSURE ILLUSTRATION | L × W × H as declared | architecture and detail illustrative

PRODUCT RATINGS & PHYSICAL DATA

ACTIVE POWER	APPARENT POWER
3,000 kW	3,750 kVA
ENERGY CAPACITY	**APPROX. WEIGHT**
3,000 kWh	19,000 kg

ENCLOSURE DIMENSIONS / L × W × H

800 × 250 × 200 cm

Standard electrical basis: 380/400 V; 3 phase + neutral + protective earth; 50 Hz (60 Hz optional); air-cooled; manufacturer-stated commissioning time ≤20 minutes from cold start to full load.

Illustration is E-FLUXER-branded and dimensioned from the supplied enclosure envelope; not certified CAD or a model-specific product photograph. Physical measurements may change with installation conditions.

EFL3000 | TECHNICAL SPECIFICATIONS

ACTIVE POWER	APPARENT POWER	ENERGY CAPACITY
3,000 kW	3,750 kVA	3,000 kWh

PRODUCT CONFIGURATION & PHYSICAL INFORMATION

DEVICE TYPE
Hybrid Generator

COOLING SYSTEM
Air cooled

MODEL CODE
EFL3000

APPROXIMATE WEIGHT
19,000 kg

FREQUENCY / VOLTAGE
50/60 Hz; 380/400 V; 3 phase + N + PE

DIMENSIONS (L × W × H)
800 × 250 × 200 cm

MOTOR START
Electric starter motor (380 V; 3 phase; 50/60 Hz)

SAFETY SYSTEMS
Emergency stop; integrated fire suppression; 24/7 camera monitoring

COMMISSIONING TIME
≤20 min from cold start to full load

INITIAL CONTROL MODE / INSULATION
Manual initial start; sound insulation standard

GENERAL TECHNICAL SPECIFICATIONS

POWER FACTOR / POWER
cos φ = 0.8 (standard). kW = kVA × 0.8

FREQUENCY TOLERANCE / FREQUENCY & VOLTAGE
Max. ±0.5 Hz; ISO 8528-5, 0-to-full-load transition

VOLTAGE REGULATION / FREQUENCY & VOLTAGE
±1.0% static / ±0.5% dynamic

OPERATING FREQUENCY / FREQUENCY & VOLTAGE
50 Hz standard / 60 Hz optional

OUTPUT VOLTAGE / FREQUENCY & VOLTAGE
400/230 V ±5%, three phases + N + PE, star

GENERATOR TYPE / GENERATOR
Synchronous, brushless, AVR, IP23

INSULATION CLASS / GENERATOR
H class (180 °C)

COOLING METHOD / COOLING
Air-cooled, high-efficiency axial system

MAX. AMBIENT TEMPERATURE / COOLING
Up to +50 °C at full load; high-altitude version +40 °C at 2,500 m

CONTROL PANEL / CONTROL
Digital microprocessor, LCD, TR/ENG; AMF/ATS compatible

MEASURED VALUES / CONTROL
V, A, Hz, kW, kVA, PF, kWh, oil pressure, water temp, rpm

PROTECTION FUNCTIONS / PROTECTION
Overspeed; low oil pressure; high coolant temperature; overcurrent; short circuit; phase loss; voltage imbalance

INTERFACES / REMOTE MONITORING
CAN-BUS / Modbus RTU/TCP; SCADA/IIoT; optional 4G

NOISE LEVEL / MECHANICAL
≤68–75 dB(A) at 7 m (ISO 3744); container version ≤62 dB(A)

VIBRATION ISOLATION / MECHANICAL
Spring / pneumatic isolators; integrated into chassis

PROTECTION CLASS / MECHANICAL
IP23 open / IP54 with switchgear cabinet / IP65 container

PAINT COATING / MECHANICAL
≥120 µm, ISO 12944-2 C4; aggressive industrial / marine environments

FIRE SUPPRESSION / SAFETY
Thermal detection, HFC-227ea; TS EN 12094-14

EMERGENCY STOP / SAFETY
Mechanically locked, dual-direction; local + remote

CAMERAS / SAFETY
Four night-vision cameras; 24/7 recording, cloud integration

PHYSICAL PROTECTION / SAFETY
S355JR steel chassis; lockable doors; grounding connection

EXTRA FEATURES / HARDWARE
Automatic oil/coolant control; CAN-BUS; C4 corrosion protection; IP67 connections; remote monitoring

CERTIFICATION DOCUMENTATION REFERENCE

REFERENCE CAC-M.ST.1279.02 | ISSUE 23.08.2024 | DOCUMENT 26.08.2025/01

STATED VALIDITY 22.08.2027 | 2006/42/EC MACHINERY DIRECTIVE

EN ISO 12100 • EN 60204-1 | Applicable scope for EFL-branded final assembly to be confirmed.

DATA NOTE: Source overview states 3,000 kW; one repeated detail row states 3,500 kW. EFL3000 uses overview value; verify.

EFL3500 | 3.5 MW

HYBRID GENERATOR / EFL PRODUCT FAMILY

E-FLUXER GEN 1 / ENCLOSURE CONCEPT

EFL3500



ENCLOSURE VISUALISATION

Model-specific dimension callouts are shown on the illustration.

Electrical ratings and physical data appear in the product specification.

DIMENSIONED ENCLOSURE ILLUSTRATION | L × W × H as declared | architecture and detail illustrative

PRODUCT RATINGS & PHYSICAL DATA

ACTIVE POWER	APPARENT POWER
3,500 kW	4,385 kVA
ENERGY CAPACITY	**APPROX. WEIGHT**
3,500 kWh	21,000 kg

ENCLOSURE DIMENSIONS / L × W × H

800 × 250 × 200 cm

Standard electrical basis: 380/400 V; 3 phase + neutral + protective earth; 50 Hz (60 Hz optional); air-cooled; manufacturer-stated commissioning time ≤20 minutes from cold start to full load.

Illustration is E-FLUXER-branded and dimensioned from the supplied enclosure envelope; not certified CAD or a model-specific product photograph. Physical measurements may change with installation conditions.

EFL3500 | TECHNICAL SPECIFICATIONS

ACTIVE POWER	APPARENT POWER	ENERGY CAPACITY
3,500 kW	4,385 kVA	3,500 kWh

PRODUCT CONFIGURATION & PHYSICAL INFORMATION

DEVICE TYPE
Hybrid Generator

COOLING SYSTEM
Air cooled

MODEL CODE
EFL3500

APPROXIMATE WEIGHT
21,000 kg

FREQUENCY / VOLTAGE
50/60 Hz; 380/400 V; 3 phase + N + PE

DIMENSIONS (L × W × H)
800 × 250 × 200 cm

MOTOR START
Electric starter motor (380 V; 3 phase; 50/60 Hz)

SAFETY SYSTEMS
Emergency stop; integrated fire suppression; 24/7 camera monitoring

COMMISSIONING TIME
≤20 min from cold start to full load

INITIAL CONTROL MODE / INSULATION
Manual initial start; sound insulation standard

GENERAL TECHNICAL SPECIFICATIONS

POWER FACTOR / POWER
cos φ = 0.8 (standard). kW = kVA × 0.8

FREQUENCY TOLERANCE / FREQUENCY & VOLTAGE
Max. ±0.5 Hz; ISO 8528-5, 0-to-full-load transition

VOLTAGE REGULATION / FREQUENCY & VOLTAGE
±1.0% static / ±0.5% dynamic

OPERATING FREQUENCY / FREQUENCY & VOLTAGE
50 Hz standard / 60 Hz optional

OUTPUT VOLTAGE / FREQUENCY & VOLTAGE
400/230 V ±5%, three phases + N + PE, star

GENERATOR TYPE / GENERATOR
Synchronous, brushless, AVR, IP23

INSULATION CLASS / GENERATOR
H class (180 °C)

COOLING METHOD / COOLING
Air-cooled, high-efficiency axial system

MAX. AMBIENT TEMPERATURE / COOLING
Up to +50 °C at full load; high-altitude version +40 °C at 2,500 m

CONTROL PANEL / CONTROL
Digital microprocessor, LCD, TR/ENG; AMF/ATS compatible

MEASURED VALUES / CONTROL
V, A, Hz, kW, kVA, PF, kWh, oil pressure, water temp, rpm

PROTECTION FUNCTIONS / PROTECTION
Overspeed; low oil pressure; high coolant temperature; overcurrent; short circuit; phase loss; voltage imbalance

INTERFACES / REMOTE MONITORING
CAN-BUS / Modbus RTU/TCP; SCADA/IIoT; optional 4G

NOISE LEVEL / MECHANICAL
≤68–75 dB(A) at 7 m (ISO 3744); container version ≤62 dB(A)

VIBRATION ISOLATION / MECHANICAL
Spring / pneumatic isolators; integrated into chassis

PROTECTION CLASS / MECHANICAL
IP23 open / IP54 with switchgear cabinet / IP65 container

PAINT COATING / MECHANICAL
≥120 µm, ISO 12944-2 C4; aggressive industrial / marine environments

FIRE SUPPRESSION / SAFETY
Thermal detection, HFC-227ea; TS EN 12094-14

EMERGENCY STOP / SAFETY
Mechanically locked, dual-direction; local + remote

CAMERAS / SAFETY
Four night-vision cameras; 24/7 recording, cloud integration

PHYSICAL PROTECTION / SAFETY
S355JR steel chassis; lockable doors; grounding connection

EXTRA FEATURES / HARDWARE
Automatic oil/coolant control; CAN-BUS; C4 corrosion protection; IP67 connections; remote monitoring

CERTIFICATION DOCUMENTATION REFERENCE

REFERENCE CAC-M.ST.1279.02 | ISSUE 23.08.2024 | DOCUMENT 26.08.2025/01

STATED VALIDITY 22.08.2027 | 2006/42/EC MACHINERY DIRECTIVE

EN ISO 12100 • EN 60204-1 | Applicable scope for EFL-branded final assembly to be confirmed.

Product dimensions may vary with ambient temperature, humidity and final installation conditions.

EFL4000 | 4 MW

HYBRID GENERATOR / EFL PRODUCT FAMILY

E-FLUXER GEN 1 / ENCLOSURE CONCEPT

EFL4000



ENCLOSURE VISUALISATION

Model-specific dimension callouts are shown on the illustration.

Electrical ratings and physical data appear in the product specification.

DIMENSIONED ENCLOSURE ILLUSTRATION | L × W × H as declared | architecture and detail illustrative

PRODUCT RATINGS & PHYSICAL DATA

ACTIVE POWER	APPARENT POWER
4,000 kW	5,000 kVA
ENERGY CAPACITY	**APPROX. WEIGHT**
4,000 kWh	22,000 kg

ENCLOSURE DIMENSIONS / L × W × H

900 × 270 × 220 cm

Standard electrical basis: 380/400 V; 3 phase + neutral + protective earth; 50 Hz (60 Hz optional); air-cooled; manufacturer-stated commissioning time ≤20 minutes from cold start to full load.

Illustration is E-FLUXER-branded and dimensioned from the supplied enclosure envelope; not certified CAD or a model-specific product photograph. Physical measurements may change with installation conditions.

EFL4000 | TECHNICAL SPECIFICATIONS

ACTIVE POWER	APPARENT POWER	ENERGY CAPACITY
4,000 kW	5,000 kVA	4,000 kWh

PRODUCT CONFIGURATION & PHYSICAL INFORMATION

DEVICE TYPE
Hybrid Generator

COOLING SYSTEM
Air cooled

MODEL CODE
EFL4000

APPROXIMATE WEIGHT
22,000 kg

FREQUENCY / VOLTAGE
50/60 Hz; 380/400 V; 3 phase + N + PE

DIMENSIONS (L × W × H)
900 × 270 × 220 cm

MOTOR START
Electric starter motor (380 V; 3 phase; 50/60 Hz)

SAFETY SYSTEMS
Emergency stop; integrated fire suppression; 24/7 camera monitoring

COMMISSIONING TIME
≤20 min from cold start to full load

INITIAL CONTROL MODE / INSULATION
Manual initial start; sound insulation standard

GENERAL TECHNICAL SPECIFICATIONS

POWER FACTOR / POWER
cos φ = 0.8 (standard). kW = kVA × 0.8

FREQUENCY TOLERANCE / FREQUENCY & VOLTAGE
Max. ±0.5 Hz; ISO 8528-5, 0-to-full-load transition

VOLTAGE REGULATION / FREQUENCY & VOLTAGE
±1.0% static / ±0.5% dynamic

OPERATING FREQUENCY / FREQUENCY & VOLTAGE
50 Hz standard / 60 Hz optional

OUTPUT VOLTAGE / FREQUENCY & VOLTAGE
400/230 V ±5%, three phases + N + PE, star

GENERATOR TYPE / GENERATOR
Synchronous, brushless, AVR, IP23

INSULATION CLASS / GENERATOR
H class (180 °C)

COOLING METHOD / COOLING
Air-cooled, high-efficiency axial system

MAX. AMBIENT TEMPERATURE / COOLING
Up to +50 °C at full load; high-altitude version +40 °C at 2,500 m

CONTROL PANEL / CONTROL
Digital microprocessor, LCD, TR/ENG; AMF/ATS compatible

MEASURED VALUES / CONTROL
V, A, Hz, kW, kVA, PF, kWh, oil pressure, water temp, rpm

PROTECTION FUNCTIONS / PROTECTION
Overspeed; low oil pressure; high coolant temperature; overcurrent; short circuit; phase loss; voltage imbalance

INTERFACES / REMOTE MONITORING
CAN-BUS / Modbus RTU/TCP; SCADA/IIoT; optional 4G

NOISE LEVEL / MECHANICAL
≤68–75 dB(A) at 7 m (ISO 3744); container version ≤62 dB(A)

VIBRATION ISOLATION / MECHANICAL
Spring / pneumatic isolators; integrated into chassis

PROTECTION CLASS / MECHANICAL
IP23 open / IP54 with switchgear cabinet / IP65 container

PAINT COATING / MECHANICAL
≥120 µm, ISO 12944-2 C4; aggressive industrial / marine environments

FIRE SUPPRESSION / SAFETY
Thermal detection, HFC-227ea; TS EN 12094-14

EMERGENCY STOP / SAFETY
Mechanically locked, dual-direction; local + remote

CAMERAS / SAFETY
Four night-vision cameras; 24/7 recording, cloud integration

PHYSICAL PROTECTION / SAFETY
S355JR steel chassis; lockable doors; grounding connection

EXTRA FEATURES / HARDWARE
Automatic oil/coolant control; CAN-BUS; C4 corrosion protection; IP67 connections; remote monitoring

CERTIFICATION DOCUMENTATION REFERENCE

REFERENCE CAC-M.ST.1279.02 | ISSUE 23.08.2024 | DOCUMENT 26.08.2025/01

STATED VALIDITY 22.08.2027 | 2006/42/EC MACHINERY DIRECTIVE

EN ISO 12100 • EN 60204-1 | Applicable scope for EFL-branded final assembly to be confirmed.

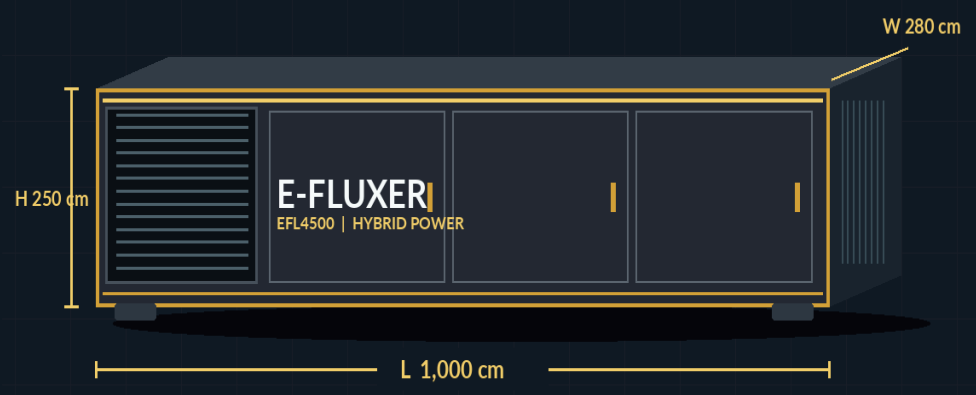
Product dimensions may vary with ambient temperature, humidity and final installation conditions.

EFL4500 | 4.5 MW

HYBRID GENERATOR / EFL PRODUCT FAMILY

E-FLUXER GEN 1 / ENCLOSURE CONCEPT

EFL4500



ENCLOSURE VISUALISATION

Model-specific dimension callouts are shown on the illustration.

Electrical ratings and physical data appear in the product specification.

DIMENSIONED ENCLOSURE ILLUSTRATION | L × W × H as declared | architecture and detail illustrative

PRODUCT RATINGS & PHYSICAL DATA

ACTIVE POWER	APPARENT POWER
4,500 kW	5,635 kVA

ENERGY CAPACITY	APPROX. WEIGHT
4,500 kWh	24,000 kg

ENCLOSURE DIMENSIONS / L × W × H

1,000 × 280 × 250 cm

Standard electrical basis: 380/400 V; 3 phase + neutral + protective earth; 50 Hz (60 Hz optional); air-cooled; manufacturer-stated commissioning time ≤20 minutes from cold start to full load.

Illustration is E-FLUXER-branded and dimensioned from the supplied enclosure envelope; not certified CAD or a model-specific product photograph. Physical measurements may change with installation conditions.

EFL4500 | TECHNICAL SPECIFICATIONS

ACTIVE POWER	APPARENT POWER	ENERGY CAPACITY
4,500 kW	5,635 kVA	4,500 kWh

PRODUCT CONFIGURATION & PHYSICAL INFORMATION

DEVICE TYPE
Hybrid Generator

COOLING SYSTEM
Air cooled

MODEL CODE
EFL4500

APPROXIMATE WEIGHT
24,000 kg

FREQUENCY / VOLTAGE
50/60 Hz; 380/400 V; 3 phase + N + PE

DIMENSIONS (L × W × H)
1000 × 280 × 250 cm

MOTOR START
Electric starter motor (380 V; 3 phase; 50/60 Hz)

SAFETY SYSTEMS
Emergency stop; integrated fire suppression; 24/7 camera monitoring

COMMISSIONING TIME
≤20 min from cold start to full load

INITIAL CONTROL MODE / INSULATION
Manual initial start; sound insulation standard

GENERAL TECHNICAL SPECIFICATIONS

POWER FACTOR / POWER
cos φ = 0.8 (standard). kW = kVA × 0.8

FREQUENCY TOLERANCE / FREQUENCY & VOLTAGE
Max. ±0.5 Hz; ISO 8528-5, 0-to-full-load transition

VOLTAGE REGULATION / FREQUENCY & VOLTAGE
±1.0% static / ±0.5% dynamic

OPERATING FREQUENCY / FREQUENCY & VOLTAGE
50 Hz standard / 60 Hz optional

OUTPUT VOLTAGE / FREQUENCY & VOLTAGE
400/230 V ±5%, three phases + N + PE, star

GENERATOR TYPE / GENERATOR
Synchronous, brushless, AVR, IP23

INSULATION CLASS / GENERATOR
H class (180 °C)

COOLING METHOD / COOLING
Air-cooled, high-efficiency axial system

MAX. AMBIENT TEMPERATURE / COOLING
Up to +50 °C at full load; high-altitude version +40 °C at 2,500 m

CONTROL PANEL / CONTROL
Digital microprocessor, LCD, TR/ENG; AMF/ATS compatible

MEASURED VALUES / CONTROL
V, A, Hz, kW, kVA, PF, kWh, oil pressure, water temp, rpm

PROTECTION FUNCTIONS / PROTECTION
Overspeed; low oil pressure; high coolant temperature; overcurrent; short circuit; phase loss; voltage imbalance

INTERFACES / REMOTE MONITORING
CAN-BUS / Modbus RTU/TCP; SCADA/IIoT; optional 4G

NOISE LEVEL / MECHANICAL
≤68–75 dB(A) at 7 m (ISO 3744); container version ≤62 dB(A)

VIBRATION ISOLATION / MECHANICAL
Spring / pneumatic isolators; integrated into chassis

PROTECTION CLASS / MECHANICAL
IP23 open / IP54 with switchgear cabinet / IP65 container

PAINT COATING / MECHANICAL
≥120 µm, ISO 12944-2 C4; aggressive industrial / marine environments

FIRE SUPPRESSION / SAFETY
Thermal detection, HFC-227ea; TS EN 12094-14

EMERGENCY STOP / SAFETY
Mechanically locked, dual-direction; local + remote

CAMERAS / SAFETY
Four night-vision cameras; 24/7 recording, cloud integration

PHYSICAL PROTECTION / SAFETY
S355JR steel chassis; lockable doors; grounding connection

EXTRA FEATURES / HARDWARE
Automatic oil/coolant control; CAN-BUS; C4 corrosion protection; IP67 connections; remote monitoring

CERTIFICATION DOCUMENTATION REFERENCE

REFERENCE CAC-M.ST.1279.02 | ISSUE 23.08.2024 | DOCUMENT 26.08.2025/01

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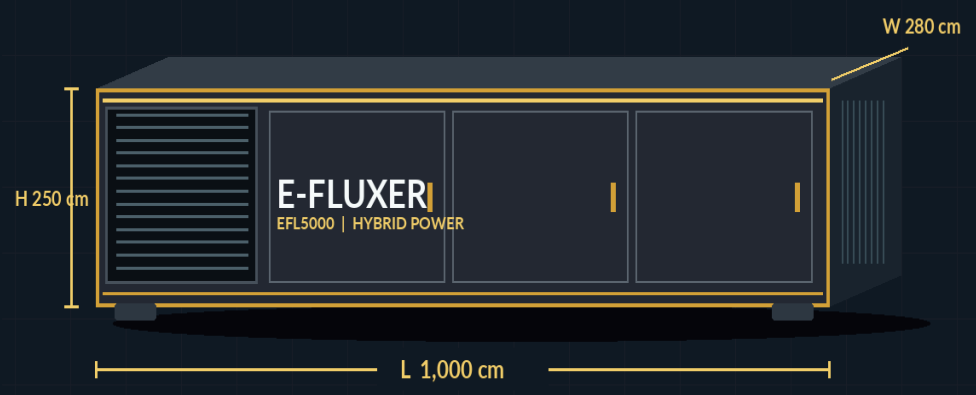
Product dimensions may vary with ambient temperature, humidity and final installation conditions.

EFL5000 | 5 MW

HYBRID GENERATOR / EFL PRODUCT FAMILY

E-FLUXER GEN 1 / ENCLOSURE CONCEPT

EFL5000



ENCLOSURE VISUALISATION

Model-specific dimension callouts are shown on the illustration.

Electrical ratings and physical data appear in the product specification.

DIMENSIONED ENCLOSURE ILLUSTRATION | L × W × H as declared | architecture and detail illustrative

PRODUCT RATINGS & PHYSICAL DATA

ACTIVE POWER	APPARENT POWER
5,000 kW	6,250 kVA

ENERGY CAPACITY	APPROX. WEIGHT
5,000 kWh	30,000 kg

ENCLOSURE DIMENSIONS / L × W × H

1,000 × 280 × 250 cm

Standard electrical basis: 380/400 V; 3 phase + neutral + protective earth; 50 Hz (60 Hz optional); air-cooled; manufacturer-stated commissioning time ≤20 minutes from cold start to full load.

Illustration is E-FLUXER-branded and dimensioned from the supplied enclosure envelope; not certified CAD or a model-specific product photograph. Physical measurements may change with installation conditions.

EFL5000 | TECHNICAL SPECIFICATIONS

ACTIVE POWER	APPARENT POWER	ENERGY CAPACITY
5,000 kW	6,250 kVA	5,000 kWh

PRODUCT CONFIGURATION & PHYSICAL INFORMATION

DEVICE TYPE
Hybrid Generator

COOLING SYSTEM
Air cooled

MODEL CODE
EFL5000

APPROXIMATE WEIGHT
30,000 kg

FREQUENCY / VOLTAGE
50/60 Hz; 380/400 V; 3 phase + N + PE

DIMENSIONS (L × W × H)
1000 × 280 × 250 cm

MOTOR START
Electric starter motor (380 V; 3 phase; 50/60 Hz)

SAFETY SYSTEMS
Emergency stop; integrated fire suppression; 24/7 camera monitoring

COMMISSIONING TIME
≤20 min from cold start to full load

INITIAL CONTROL MODE / INSULATION
Manual initial start; sound insulation standard

GENERAL TECHNICAL SPECIFICATIONS

POWER FACTOR / POWER
cos φ = 0.8 (standard). kW = kVA × 0.8

FREQUENCY TOLERANCE / FREQUENCY & VOLTAGE
Max. ±0.5 Hz; ISO 8528-5, 0-to-full-load transition

VOLTAGE REGULATION / FREQUENCY & VOLTAGE
±1.0% static / ±0.5% dynamic

OPERATING FREQUENCY / FREQUENCY & VOLTAGE
50 Hz standard / 60 Hz optional

OUTPUT VOLTAGE / FREQUENCY & VOLTAGE
400/230 V ±5%, three phases + N + PE, star

GENERATOR TYPE / GENERATOR
Synchronous, brushless, AVR, IP23

INSULATION CLASS / GENERATOR
H class (180 °C)

COOLING METHOD / COOLING
Air-cooled, high-efficiency axial system

MAX. AMBIENT TEMPERATURE / COOLING
Up to +50 °C at full load; high-altitude version +40 °C at 2,500 m

CONTROL PANEL / CONTROL
Digital microprocessor, LCD, TR/ENG; AMF/ATS compatible

MEASURED VALUES / CONTROL
V, A, Hz, kW, kVA, PF, kWh, oil pressure, water temp, rpm

PROTECTION FUNCTIONS / PROTECTION
Overspeed; low oil pressure; high coolant temperature; overcurrent; short circuit; phase loss; voltage imbalance

INTERFACES / REMOTE MONITORING
CAN-BUS / Modbus RTU/TCP; SCADA/IIoT; optional 4G

NOISE LEVEL / MECHANICAL
≤68–75 dB(A) at 7 m (ISO 3744); container version ≤62 dB(A)

VIBRATION ISOLATION / MECHANICAL
Spring / pneumatic isolators; integrated into chassis

PROTECTION CLASS / MECHANICAL
IP23 open / IP54 with switchgear cabinet / IP65 container

PAINT COATING / MECHANICAL
≥120 µm, ISO 12944-2 C4; aggressive industrial / marine environments

FIRE SUPPRESSION / SAFETY
Thermal detection, HFC-227ea; TS EN 12094-14

EMERGENCY STOP / SAFETY
Mechanically locked, dual-direction; local + remote

CAMERAS / SAFETY
Four night-vision cameras; 24/7 recording, cloud integration

PHYSICAL PROTECTION / SAFETY
S355JR steel chassis; lockable doors; grounding connection

EXTRA FEATURES / HARDWARE
Automatic oil/coolant control; CAN-BUS; C4 corrosion protection; IP67 connections; remote monitoring

CERTIFICATION DOCUMENTATION REFERENCE

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EN ISO 12100 • EN 60204-1 | Applicable scope for EFL-branded final assembly to be confirmed.

Product dimensions may vary with ambient temperature, humidity and final installation conditions.

Common platform specification

The following characteristics are stated identically for each model in the supplied source product tables. Special versions and final release specifications should be verified per order.

POWER AND ELECTRICAL

Hybrid generator; 380/400 V, 3 phase + N + PE; 400/230 V ±5% output, star; cos φ = 0.8 stated as standard. Individual kVA figures take precedence over a rounded PF calculation.

FREQUENCY / REGULATION

50 Hz standard, 60 Hz optional; maximum ±0.5 Hz frequency tolerance; voltage regulation ±1.0% static and ±0.5% dynamic (supplier-stated).

START AND COOLING

380 V three-phase electric starter; manufacturer-stated commissioning ≤20 min from cold start to full load; high-efficiency axial air-cooling. +50 °C at full load stated; high-altitude version +40 °C at 2,500 m.

GENERATOR / CONTROLS

Synchronous brushless AVR generator; IP23 machine, class H (180 °C) insulation. Microprocessor LCD control; AMF/ATS compatible; manual initial start.

MONITORING / CONNECTIVITY

CAN-BUS, Modbus RTU/TCP; SCADA/IIoT; optional 4G. Reported parameters include V, A, Hz, kW, kVA, PF, kWh, oil pressure, water temperature and rpm.

MECHANICAL / ACOUSTIC

Standard sound insulation; stated noise ≤68–75 dB(A) at 7 m; container version ≤62 dB(A) per source. Spring/pneumatic isolation; C4 corrosion protection ≥120 µm.

SAFETY / ENCLOSURE

Emergency stop, fire-suppression concept, 24/7 monitoring, stated 4 night-vision cameras. IP23 open, IP54 with switchgear cabinet and IP65 container (configuration dependent).

Design and application notes

Energy and operating interpretation

Active power (kW), apparent power (kVA) and declared energy capacity (kWh) describe different quantities. Actual duration and sustained energy balance require confirmation of the system configuration, connected energy source, site load, auxiliaries and test basis.

Dimensions and containers

The measured envelopes in this catalogue are the model-specific L × W × H values from the supplied product information, not claims of ISO shipping-container classification. Dimensions can vary with temperature, humidity and selected installation configuration.

Regulatory and technical status

The supplied document includes a manufacturer-level certificate summary referencing machinery directive 2006/42/EC, EN ISO 12100 and EN 60204-1. It does not include an independent certificate copy establishing certification of every EFL-branded model. Applicable certificates should be validated for the final delivered configuration.

Drawing control

E-FLUXER enclosure visualisations on the model pages are internally generated, correctly labelled schematic illustrations using the declared dimensions. They are not actual production photographs, foundation drawings or released CAD files.

Product data basis

The fourteen EFL model specifications in this publication identify active and apparent power, nominal energy capacity, approximate mass and declared enclosure dimensions. Final site configuration and released technical documentation should be confirmed for each order.

E-FLUXER by EPOWER

14 MODELS / 50 kW - 5 MW

EFL50 • EFL100 • EFL250 • EFL500 • EFL750 • EFL1000 • EFL1500 • EFL2000 • EFL2500 • EFL3000 • EFL3500 • EFL4000 • EFL4500 • EFL5000

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EPOWER B.V. | E-FLUXER product family | Commercial product information; model-specific installation, performance and certification documentation are subject to final engineering release.