

Energy storage with EcoFlow STREAM Ultra X microinverter (3.84kWh)



Model: EFSTREAMULTRAX800W

Manufacturer: ECOFLOW

EAN: 4895251652933

Product Code: 1277739

R45,588

EcoFlow STREAM Ultra X microinverter energy storage (3.84kWh)

EcoFlow STREAM Ultra X is an advanced 3.84 kWh energy storage with built-in microinverter. Combined with photovoltaic panels, it allows you to make the most of the electricity produced from the sun and helps you save on your bills. It has as many as four MPPT inputs with a total capacity of 2,000 watts and can handle equipment up to 2,300 watts. At the same time, it is very easy to install. As part of the STREAM ecosystem, the device first powers the house with energy from PV modules, then draws the current stored in the battery, and only finally from the grid. This means greater independence and complete energy security - even in emergency situations.

Powerful 2300 watts

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The EcoFlow STREAM Ultra X makes it possible to power devices with up to 2,300 watts in two ways. In the case of a single unit, the system combines solar power (up to 1,200 watts) with grid power (up to 1,100 watts) to achieve full demand coverage - ideal for powering energy-intensive appliances on a daily basis without the risk of overloading the system. However, if you connect two units in parallel, you can get 2,300 watts of output power entirely from solar energy, reducing grid draw to zero and maximizing self-consumption.

Scalable up to 23 kWh - a solution for years to come

A basic capacity of 3.84 kWh is enough to power your most important devices after dark or during an emergency. But if you need more capacity, you can expand the system to as many as six units, yielding 23 kWh of energy. It's a flexible solution that grows with your needs - from a small backup to a complete system to power your entire home.

Getting the most out of the sun - 4 MPPT and 2,000 watts of PV input

The STREAM Ultra X has four MPPT inputs and supports input power from solar panels of up to 2,000 W (4×500 W). What's more, thanks to advanced low-light operation technology, the battery accumulates energy even in low sunlight. This solution makes it possible to acquire up to an hour of additional production per day, even in cloudy weather and at dawn. More energy during the day means less power consumption from the grid and a faster return on investment!

Solar grid throughout the house

EcoFlow STREAM Ultra X allows you to create a decentralized solar grid. Simply connect the units to outlets in different locations - one can be close to the PV panels and the others near appliances with high power consumption. STREAM automatically connects all the modules into a single smart system and distributes power where it is needed most - to the kitchen, laundry or living room - without manual configuration.

Smart management and automation

With the EcoFlow app and OASIS, you have full control over your energy consumption in real time - from viewing flows to setting priorities and schedules. AI Mode analyzes weather forecasts, dynamic

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tariffs and your consumption profile, automatically charging the battery during cheap hours and discharging it when energy is most expensive. You can also create your own automation rules and scenarios for your smart home to, for example, start charging your electric car when PV production is highest. Note: some EcoFlow app features require a premium subscription.

Smart home integration

STREAM Ultra X works with EcoFlow smart meters and outlets, even communicating offline. The system automatically adjusts the power given off to the home network and prevents energy waste. What's more, thanks to compatibility with popular protocols (Shelly, Matter, Tibber) you gain full control over your entire home from a single app.

Safety and reliability for years

LFP cells provide about 6,000 charging cycles at 70% capacity, which translates into up to 15 years of trouble-free use. The device's housing is fireproof, and a multi-level protection system protects against overloading and overheating, among other things. Rapid voltage drop (in 0.7 seconds) guarantees the safety of the installation, and global certifications (ISO, TRUSTe, NIST) confirm compliance with the highest privacy and data protection standards.

Weather resistance

The IP65 rating protects the device from rain and dust, and the self-heating function enables trouble-free operation at temperatures as low as -20°C. As a result, the STREAM Ultra X can be installed both indoors and outdoors. It will work reliably all year round!

Quiet operation and thoughtful design

With a noise level of less than 30 dB, the device will not disturb your daily life. You can easily set it up in the living room or bedroom! In addition, its housing is made of materials with a reduced carbon footprint, making it environmentally friendly. Then there's the quick plug-and-play installation and the separately available interchangeable front panels in two colors (natural wood and elegant black), which allow you to match the energy storage to your interior design.

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Included

- EcoFlow STREAM Ultra X energy storage unit
- Extension cable for photovoltaic panels (2.95 m) x8
- STREAM AC cable (1.5 m)
- PV wrench
- Mounting bracket
- Locking bracket
- Safety instructions
- Installation manual
- Warranty card

General

Manufacturer EcoFlow

Name	STREAM Ultra X
Model	EFSTREAMULTRAX800W
Weight	38.8 kg
Dimensions	420 × 294 × 460 mm

Battery

Battery capacity	3.84 kWh
Battery life	6000 cycles / 70% SOH
Battery type	200 Ah lithium-ion (100 Ah 6S2P)

Rated voltage of the battery 19,2 V

Charging voltage range 13.8-21.9 V (lower limit 2.3 V, upper limit 3.65 V per cell)

Discharge voltage range 15-21.9 V (lower limit 2.5 V, upper limit 3.65 V per cell)

Max. charge/discharge current 80 A

Max. charging power $\geq 1500 \text{ W}$

Max. discharge power 1200 W

Photovoltaic parameters

MPPT 4

Max input power per channel 500 W

Max PV input power 2000 W

Max PV input voltage 60 Vdc

MPPT voltage range $15\text{-}60 \text{ Vdc}$

On-grid parameters

On-grid output power 800 W

Max. on-grid output current $2.61 \text{ A} / 3.48 \text{ A} / 5.22 \text{ A}$

Max. bypass input current 10 A

Rated voltage $220/230/240 \text{ V}\sim$

Voltage range $180\text{-}270 \text{ Vac}$

Frequency range $45\text{-}55 \text{ Hz}$

Off-grid parameters

Nominal apparent power 1200 VA

Max. apparent power 1200 VA

Nominal output current $5,22 \text{ A}$

Max. output current $5,22 \text{ A}$

Nominal output voltage 230 Vac

Nominal output frequency $50/60 \text{ Hz}$

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Output frequency range 45-55 Hz

Bypass parameters

Max. bypass output power 2300 W (10 A)

Efficiency

Maximum efficiency 93%

MPPT conversion efficiency 96%

MPPT tracking efficiency 99,8%

Basic parameters

Operating temperature range	From -20°C to 55C
Storage temperature range	From -20°C to 55°C
Battery heating function	When charging at temperatures below 5°C
Operating humidity	5-95%
Max altitude.	4000 m
Monitoring method	Wi-Fi / Bluetooth
Noise level	30 dB

Power consumption in standby mode 5 W

Protection class IP65 (IP54 with Schuko outlet)

Rated power (W): 800, GPSR Link: <https://psr->

assets.innpro.pl/energy/sg_energy_off_grid_power_supply.pdf, Bezpieczeństwo: Bezpieczeństwo - rodzaj ostrzeżenia, Gross weight: 43640, Net weight: 38800, Box length: 48,50, Box width: 38,00, Box height: 56,50, GARAN: <https://garan.innpro.pl/ecoflow/4895251652933>

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