



Smart energy storage with microinverter 2-in-1 EcoFlow STREAM Ultra



Model: EFSTREAMULTRA800W-EU

Manufacturer: ECOFLOW

EAN: 4895251643764

Product Code: 652877

R27,583

Smart energy storage with microinverter 2-in-1 EcoFlow STREAM Ultra

The EcoFlow STREAM Ultra is an advanced energy storage integrated with an inverter that allows you to take full advantage of the potential of your photovoltaic installation. The device combines robust battery capacity (2 kWh), high efficiency and intelligent energy management to provide energy independence at home. Thanks to its quiet operation, wide temperature range and IP65 protection class, it will work well in both indoor and outdoor environments.

Robust design and high resistance

The device has dimensions of 255 × 284 × 458 mm and a weight of 23.1 kg, which, with its capabilities, makes it extremely mobile. The IP65-rated housing used provides full dustproof and

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waterproof protection, which allows safe use both indoors and outdoors. Overvoltage category DC II, AC III guarantee safe operation even in harsh conditions.

Long-life battery

The EcoFlow Stream Ultra uses a lithium-iron-phosphate (LFP - LiFePO_4) battery with a capacity of 2 kWh and a nominal voltage of 19.2 V. It is designed for long life - offering more than 6,000 duty cycles, which translates into years of reliable use. Thanks to natural fanless cooling, the unit operates quietly and trouble-free.

Efficient charging system with 4 MPPT

Stream Ultra supports four independent MPPT (Maximum Power Point Tracking) inputs to maximize the use of energy from photovoltaic sources. Each channel supports up to 500 watts, for a total maximum input power of 2,000 watts (60V/14A). The MPPT voltage range is 15-60V, and the maximum short-circuit current is 20A, ensuring compatibility with a wide range of solar panels.

Energy independence and various output modes

With an AC input of 230 V/50 Hz, Stream Ultra generates a rated power of up to 800 W, with a max. output current of 3.48 A. The max. input power is 2,300 W, and the power factor is adjustable from 1 to 0.8. For AC output, the power supply to devices is at a continuous power of 1,200 W (1,200 VA), with a max. current of 5.22 A and an input power of 800 W. In Bypass Mode, the maximum output current is 10 A, ensuring reliability even with higher loads. On the other hand, for applications requiring more power, the system offers Parallel Connection Mode with up to 2,300 W. This arrangement provides greater flexibility and allows the solution to be scaled for more extensive installations.

Performance in all conditions

The EcoFlow Stream Ultra operates seamlessly in temperatures from -20°C to 55°C, with a humidity range of 5%-95%. It can be safely stored at temperatures from -20°C to 55°C, and its design allows it to operate at altitudes up to 4,000 meters above sea level, making it an ideal choice for applications in harsh locations - from high mountainous terrain to hot deserts.

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Smart management and connectivity

The device offers Bluetooth and WLAN connectivity, and full control and management are possible from the dedicated EcoFlow app. This gives the user access to real-time data and the ability to remotely monitor and optimize system performance.

General

Manufacturer	EcoFlow
Model	STREAM Ultra
Dimensions	255 × 284 × 458 mm
Weight	23.1 kg
Typology	Insulated
Protection class (IP)	IP65
Contamination category	PD3
Overvoltage category (OVC)	DC: II, AC: III
Application	Outdoor / indoor
Cooling method	Natural convection (no fans)

Battery

Rated capacity	2 kWh
Rated voltage	19,2 V
Number of cycles	6000+
Cell type	LFP (lithium-iron-phosphate)

PV input (DC)

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Number of MPPT	4
MPPT voltage range	15 V-60 V
Max input power	2000 W (500 W per MPPT)
Max input voltage	60 V
Max. input current	14 A

Max. input short-circuit current 20 A

Grid output (AC Grid Terminal)

Voltage and frequency 230 V~, 50 Hz

Rated power	800 W
Rated current	3,48 A
Max. input current	10 A
Max input power	2300 W
Power factor	1 (0.8 to -0.8)

AC output

Voltage and frequency	230 V~, 50 Hz
Max. output power	1200 W
Rated output current	5,22 A

Max. output current (bypass mode) 10 A

Max input power	800 W
Max. input current	3,48 A
Power factor	1 (0.8 to -0.8)

Parallel output (AC Parallel Terminal)

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Voltage and frequency 230 V~, 50 Hz

Max. output power 2300 W

Max. output current 10 A

Max. input current 10 A

Max input power 2300 W

Power factor 1 (0.8 to -0.8)

Operating environment

Operating altitude ≤ 4000 m above sea level.

Operating temperature -20°C to 55°C

Storage temperature -20°C to 55°C

Relative humidity 5%-95%

Features and connectivity

Connectivity WLAN, Bluetooth

Management EcoFlow application

Rated power (W): 1200, GPSR Link: [https://psr-](https://psr-assets.innpro.pl/energy/sg_energy_off_grid_power_supply.pdf)

[assets.innpro.pl/energy/sg_energy_off_grid_power_supply.pdf](https://psr-assets.innpro.pl/energy/sg_energy_off_grid_power_supply.pdf), Gross weight: 26800, Net weight:

22600, Box length: 37,30, Box width: 31,50, Box height: 57,30, Last delivery: 18.08.2026, test:

EcoFlow STREAM Ultra, Information about data generation:

<https://dataact.innpro.pl/ecoflow/4895251643764>, GARAN:

<https://garan.innpro.pl/ecoflow/4895251643764>

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