

EcoFlow OCEAN Gateway

The EcoFlow OCEAN Gateway is installed between the household electricity meter and the main electrical panel. It can connect to the OCEAN Pro energy storage system to automatically detect grid status and achieve seamless on/off-grid switching, enabling intelligent off-grid backup power and on-grid self-consumption. The OCEAN Gateway is equipped with 8 smart breakers, allowing integration with third-party photovoltaics, standby generators, or other household electrical devices, and supports customizable operating modes.

Electrical Performance	Product Name	EcoFlow OCEAN Gateway
	Model number	EF-GW-001
	Grid Voltage System	120/240V~ (Split phase) 208Y/120V~, 3W (from 3Ø 4W)
	Grid Voltage Range	170V-295V
	Grid Frequency Range	57-63Hz
	Max. Grid Continuous Current	160A
	Max. Grid OCPD	200A
	Max. Short-Circuit Current Rating	22kA rms
	Number of Load Branch Circuit	8 smart branch circuits
	Branch Rated Current	Up to 100A continuous current rating (OCPD 125A)
	Busbar Current	Up to 260A continuous current rating
	Compatible Generator	120/240V~ (Split Phase), 60Hz Type: Standby generator
	Generator Rated Current	Up to 100A continuous current (OCPD 125A)
	Standby Power Consumption	≤15w
	Communication Methods	Bluetooth/Wi-Fi/LAN/CAN/RS485
	PV Compatibility	Supports AC-coupled PV input
Backup Switching Time	<10ms	
Warranty Period	15 years	

Environmental	Operating and Storage Temperature	-22°F to 140°F (-30°C to 60°C), derating above 122°F (50°C)
	Operating Humidity (RH)	Up to 100%, condensing
	Maximum Elevation	9842 ft (3000 m)
	Mounting Style	Wall mount or flush mount
	Environment	Indoor, outdoor
	Noise	≤40dB
	Protection Rating	NEMA 3R

Structural	Dimensions (L x W x H)	34.45 x 14.37 x 7.24 inches (875 x 365 x 184 mm)
	Weight	36.6 ± 0.4 lb (16.6 ± 0.2 kg)

Compliance Information	Safety	UL67, UL869A, UL916, UL1741, UL1008, UL 3141, CSA C22.2 No.29, CSAC22.2 No.107.1
	Emissions	FCC Part 15B (Class B), ICES-003 (Class B), FCC Part 15C, RSS-247
	Environmental	California Proposition 65, TSCA

Ecosystem Interfaces	Communication Expansion Ports	Reserved RJ45 port (with 12V auxiliary power)
	Compatibility with EcoFlow Products	EcoFlow OCEAN Pro, EcoFlow OCEAN EV Charger(11.5kW), EcoFlow Smart Electrical Panel
	Supported circuit breaker	Main circuit breaker: Eaton (CSR2200N) Branch circuit breaker: Eaton, Siemens, ABB (GE)