

# Seamless whole-home backup, without limits



## Supports up to 100A

Delivers full backup for most European households — no need to limit critical loads.

#### Parallel-ready

Connect multiple EcoFlow PowerOcean (Single-Phase) systems for greater total output.

### **Oms load-side switching**

Switches to backup instantly—no downtime, no disruption.

# Fast installation, easy wiring

## Direct whole-house load access

Connects directly to the main distribution panel, reducing complexity, cost, and time.

#### Built-in smart meter

No external meter needed. Monitor real-time usage and generation from a single device.

#### Non-backup load output

Keep essential loads protected by routing non-critical circuits to the grid when needed.



## More connections, more control

Designed for true energy flexibility, Gateway integrates seamlessly with multiple energy inputs and third-party smart ecosystemsfrom energy management systems to home appliances. Stay powered on-grid, off-grid, or anywhere in between, with smarter, effortless control.

Third-party solar inverters:	Supported
Diesel generators:	Supported
Third-party appliances:	Supported















# DATASHEET

# **ECOFLOW**

# **EcoFlow Gateway (Single-Phase)**

# Expand your system, now with whole-home power

EcoFlow Gateway is the central hub that unlocks the full potential of your home energy system, starting with 100A mains support for true whole-home backup, expanding your options with multiple energy inputs, and making installation effortless with direct main-panel connection and simplified wiring — delivering reliable, flexible power for any household setup.

General Data		
Model	EF-SG-001	
Compatible Inverter	EF HD-P1-3K-S1, EF HD-P1-3.68K-S1, EF HD-P1-4.6K-S1, EF HD-P1-5K-S1, EF HD-P1-6K-S1	
Dimensions	465 x 380 x 160 mm	
Weight	15 kg	
Noise emission	<30 dB	
Installation	Wall Mount	
Low voltage ride through	Supported	
Bypass operation mode	Manual	
Communication	Ethernet/RS485/CAN/DI/DO	
DC power output	12 W1 A	
Gird Connection		
Grid connection type	L/N+PE	
Nominal AC voltage	220/230/240 V	
Nominal AC current	100 A	
Nominal AC power	22/23/24 kW	
Nominal AC frequency	50/60 Hz	
Backup switchover time	0 ms <sup>*1</sup>	
AC Output to Backup Port		
Nominal AC voltage	220/230/240 V	
Nominal AC current	100 A	
Nominal AC power	22/23/24 kW	
Nominal AC frequency	50/60 Hz	
Overvoltage category	3	
Generator Port		
Nominal AC voltage	220/230/240 V	
Nominal AC current	100 A	
Nominal AC power	22/23/24 kW	
Generator 2-wire auto-start	Supported	
Environment		
Cooling	Natural Convection '2	
Relative Humidity Range	0%~95% RH	
Ingress Protection Rating	IP54	
Max. Operating Altitude	3000 m (derating over 2000 m)	
Operating Temperature	-30°C to 60°C '3	
Storage Temperature	-30°C to 60°C	
Environmental Category	Indoor/Outdoor	

This parameter denotes the load-side transfer interruption duration. To implement this functionality, the gateway must be used in conjunction with the EcoFlow PowerOcean (Single-Phase) system. Test Conditions: When the utility grid is in an open-circuit state, the rated power of the EcoFlow PowerOcean (Single-Phase) system shall exceed the total power consumption of the backup loads.

Please be advised that EcoFlow reserves the right to modify the design, components, and specifications of its products at any time without prior notice or obligation. The actual product details and final design may vary from those shown or described in this brochure.











<sup>\*2</sup> With internal fan.

<sup>\*3</sup> The operating temperature ranges from -30°C to +40°C, and the long-term steady-state current is not derated. When the temperature ranges from 40°C to 60°C, the current is linearly derated from 100 A to 50 A.