



ECOFLW

EcoFlow Gateway (Single-Phase)

Expand your system, now with whole-home power

The Gateway is the heart of your home energy system, enabling seamless backup and intelligent power flow. Designed for direct main panel connection, it simplifies installation while supporting multiple energy inputs — delivering reliable, flexible energy for your home.



Seamless whole-home backup for everyday living



Power Your Entire Home

Supports whole-home backup for typical Australian homes

Parallel-ready for higher demand

Connect multiple EcoFlow systems to expand total output — ideal for larger homes or future upgrades.

0 ms load-side switching

Seamless transition to backup with no interruption.

*Achieved under supported grid and system conditions.

Fast installation, clean wiring

Direct whole-house load access

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

Hidden Rear cable entry for cleaner installation

Rear wiring keeps wiring concealed for a cleaner look.

Built-in smart meter

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

Integrated bypass switch

No additional bypass required for simpler installation. Ensures grid supply to household loads during gateway failure.



Connect everything. Control effortlessly.

From energy sources to smart devices, the Gateway unifies power flow and intelligent control into one seamless system — enabling flexible energy use and reliable backup when needed.

Power connections

Grid, Battery System, PV, and Generator

Flexible Smart Port

Configurable for generators, third-party PV, or smart loads

Smart ecosystem

EV charging, Appliances, and HEMS



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General data	
Model	EF-SG1-12K-AU
Compatible Inverter	EF HD-P1-12K0-S2, EF HD-P1-10K0-S2, EF HD-P1-8K0-S2, EF HD-P1-12K0-S2A, EF HD-P1-9K9-S2A, EF HD-P1-8K0-S2A, EF HD-P1-3K-S1-AEF HD-P1-5K-S1-A EF HD-P1-6K-S1-A
Dimensions	465 x 380 x 160 mm
Weight	12.5kg
*1Noise emission	<30dB
Installation method	Wall mounted
Wiring method	Rear wiring/bottom wiring supported
Bypass operation mode	Munually
Communication	RS485/CAN/DI/DO
Grid connection	
Grid connection type	L/N+PE
Nominal AC voltage	220/230/240V
Nominal AC current	55A
Nominal circuit breaker current	63A
Nominal AC power	12kW
Nominal AC frequency	50/60Hz
*2Backup switchover time	0ms
NON-Backup port	
Nominal AC voltage	220/230/240V
Nominal AC current	55A
Nominal AC power	12kW
Nominal AC frequency	50/60Hz

Backup port	
Nominal AC voltage	220/230/240V
Nominal AC current	55A
Nominal AC power	12kW
Nominal AC frequency	50/60Hz
*3Smart port	
Nominal AC voltage	220/230/240V
Nominal AC current	55A
Nominal circuit breaker current	63A
Nominal AC power	12kW
Generator 2-wire auto-start	Supported
*4Inverter port	
Nominal AC voltage	220/230/240V
Nominal AC current	55A(INV1)/27A(INV2)
Nominal circuit breaker current	63A(INV1)/32A(INV2)
Environment	
Cooling	Natural convection
Relative humidity range	0-100%RH, No condensation
Max altitude	3000m(derating over 2000m)
*5Operation temperature	-30-55°C
Storage temperature	-30-60°C
Environmental Category	Outdoor/Indoor

*1 Background noise 8dB, Close the front cover, tested at a distance of 1m

*2 This parameter denotes the load-side transfer interruption duration. To implement this functionality, the gateway must be used in conjunction with the EcoFlow Power Ocean (Single-Phase)/OCEAN2 Plus Single Phase system.
Test Conditions: when discharge and the utility grid is in an open-circuit state, the rated power of the EcoFlow PowerOcean (Single-Phase)/OCEAN2 Plus Single Phase system shall exceed the total power consumption of the backup loads.

*3 ⁽¹⁾ All the house load connect to backup port+NON-backup port+SMART port should not exceed 63A; ⁽²⁾ The loads connect to SMART PORT can't be powered by grid when in BYPASS mode.

*4 For OCEAN2 Plus Single Phase 8-12 kW inverters should be connected to the INV1 port, EcoFlow Power Ocean (Single-Phase) 3-6kW inverters should be connected to the INV2 port. The sum of the parallel power of the inverters cannot exceed 12 kW.

*5 The operating temperature ranges from -30°C to +40°C, and the long-term steady-state current is not derated.

Contact EcoFlow



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Community

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