



ECOFLOW

Smart Immersion Heater

EcoFlow PowerGlow

Turn Solar into Hot Water

The EcoFlow PowerGlow Smart Immersion Heater 3.5kW is a water-heating device specifically designed for connected photo-voltaic systems. Operate independently of your PV system or seamlessly integrate with EcoFlow PowerOcean. Enhancing your self-sufficiency, PowerGlow efficiently utilises surplus solar energy to heat your water. With super fast installation, it's the perfect way to kickstart your clean energy heating experience.

* EcoFlow PowerGlow should always be used with a full water tank to prevent potential dry-fire hazards.



Utilise Excess Solar to Secure Hot Water Availability

Enhance self-consumption with excess solar from EcoFlow PowerOcean to provide heating water for your home.



Smart Control via EcoFlow App

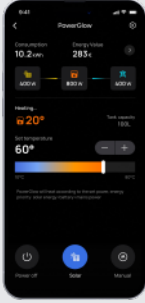
Monitor energy consumption and savings through a visual interface with three modes to meet varying usage needs.

PowerGlow synergises with PowerOcean. Use **Manual Mode** and **Solar Mode** to help you achieve higher self-consumption rates.



Manual Mode

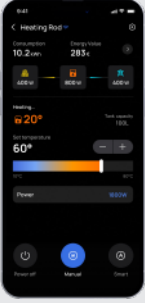
- Set your target power and temperature manually.



Solar Mode

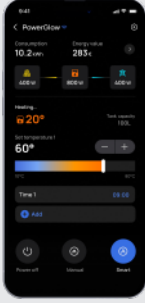
- EcoFlow PowerGlow operates solely based on the availability of solar power.

When used independently, PowerGlow offers **Manual Mode** and **Smart Mode** to help you easily achieve hot water freedom.



Manual Mode

- Set your target power and temperature manually.



Smart Mode

- Set desired temperature and duration.
- EcoFlow PowerGlow will auto-adjust power for efficient energy consumption.



Meter-free Installation*

When installed together with EcoFlow PowerOcean, no extra meter is needed.

* When used as a standalone product, with no integration with PowerOcean systems, EcoFlow PowerGlow can also help you achieve an entry-level home heating management with an extra meter needed.



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LinkedIn: @EcoFlow

Contact Us:

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DATASHEET

EcoFlow PowerGlow Smart Immersion Heater

The integrated solution for hot water from PV excess, greatly improves your self-consumption, which can be operated in combination with either EcoFlow PowerOcean system or third-party PV system, implementing intelligent scheduling of energy use via EcoFlow App.

For installers

EcoFlow Pro Web Portal

<https://portal.ecoflow.com/pro/eu>

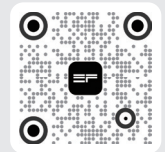


EcoFlow Pro App

For users

EcoFlow Web Portal

<https://portal.ecoflow.com/user/eu>



EcoFlow App

Technical parameters		EF RD-P1-3K5-S1
General	Heating Power (W)	0-3500
	Fuse Protection (A)	3*25
	Mains Connection	Single phase, 230V~, 45Hz-65Hz
	Standby Consumption	2 W
	Efficiency	>99% at nominal power
	Remote control, Monitoring, Management	Via EcoFlow App
	Operating Temperature Range (°C)	0 to 40 (at the casing)
	Storage Temperature Range (°C)	-20 to 70
	Operating Humidity	0%-99% (Non-Condensing)
	Maximum Operating Pressure (bar)	10
	Weight (kg)	2.7
	Dimensions (WxDxH) (mm)	527x134x164 (incl. heating rod)
	Communication	Ethernet RJ45, Wi-Fi, RS485, Bluetooth
	Display	LED Screen with temp.
	Protection Class	IP21
Heating Rod Thread	Screw-In Thread Dimension	G 1 3/4" or G 2 1/4"
	Width Across Flats (mm)	55
	Tightening Torque (Nm)	50
Heating Rod	Heating Rod Length (mm) (from the sealing)	375
	Heat-Free Length (mm)	33
	Continuous Operation	Supported
	Galvanic Isolation	Supported
	Application	Heat exchange closed water heater
Temperature Control	Mounting	Horizontal
	External Temperature Sensor	2 m
	Type	Temperature acquisition + safety temperature control
	Adjustable Temperature Range (°C)	10-80
Compliance	Heating Cut-Out Temperature (°C)	85
	Certificates	CE

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.