

DATASHEET

# EcoFlow PowerPulse

## Residential EV Charger

Model		EF-PP-H01-1
AC input	Rated voltage	230V AC (single-phase, L+N+PE) 400V AC (three-phase, 3L+N+PE)
	Maximum current	16A
	Rated frequency	50Hz
	Approved grid configurations	TN, TT
AC output	Rated charging power	Max. 3.7kW (single-phase) / 11kW (three-phase)
Communication and metering	Meter accuracy	2%
	Communication method	RS485 & Wi-Fi & Bluetooth
	External smart meter (optional)	ADL400 DIN rail energy meter
	Communication protocols	OCPP1.6-J, Modbus-RTU
Interface	Status displays	Indicator light (white for charging, orange for error alarms), App messages
	Startup method	App, supports plug-and-use and other features.
Operation environment	Environmental category	Indoor & Outdoor
	Ambient temperature for operation	-30°C to +50°C
	Operating altitude	≤2,000 m
	Relative humidity	5% to 95%
Basic parameters	IP rating	IP65
	Impact rating	IK08
	Socket type	Type 2 (IEC 62196-2)
	External cover material	Flame retardant PC
	Cable entry	Bottom
	Charging cable length	5 m
	Installation	Wall installation, equipped with wall installation kits
	Dimensions (W x D x H)	Approx. 283x178x99 mm
Safety protection	Weight	Approx. 3.3 kg
	Protection type	Overvoltage protection, undervoltage protection, overcurrent protection, overtemperature protection, lightning protection, short circuit protection, overload protection, relay sticking protection
Smart charging (on EcoFlow app)	RCD	TypeA+6mA DC detection
	Current regulation accuracy	1A (app) / 0.1A (RS485/OCPP), minimum charging current 6A
	Scheduled charging	Supported
	Load balance <sup>1</sup>	The charging power will be dynamically adjusted based on the household power to avoid exceeding the limit. The electric vehicle will always be charged at the maximum charging speed, ensuring that it does not trigger any power restrictions.
Solar charging <sup>2</sup>	The electric vehicle will only use the surplus solar energy for dynamic charging, achieving 100% renewable energy charging. By integrating PV systems, PowerPulse maximizes the self-consumption rate of solar energy.	

<b>Smart charging (on EcoFlow app)</b>	Phase switching <sup>3</sup>	In sync with PowerOcean, PowerPulse starts charging with as little as 1.38kW of solar energy, seamlessly transitioning between three-phase and single-phase power supply modes.
	Solar & PowerOcean charging	It realizes the intelligent application of clean electricity, which is "producible, storable, controllable, and viewable".
<b>Certification and compliance</b>	Certification	CE, RoHS, REACH
	Compliance	IEC 61851-1, IEC 61851-21-2

<sup>1 2</sup> These features require the use of a smart meter (ADL400) and other necessary accessories.

<sup>3</sup> This feature is operational only when both of the following conditions are satisfied: (1) connection to the PowerOcean system, and (2) EV compatibility with single-phase/three-phase switching capability. Please refer to the EV manufacturer's documentation or consult qualified service personnel for specific compatibility details.

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.