Elite Renewable Energy

Heating, Cooling, Ventilation, and Energy

Follow EcoFlow**:**

Facebook/Youtube/Instagram: @ecoflowtech
LinkedIn: @EcoFlow

Contact Us:

Web: www.elite-renewables.co.uk
Email: hello@elite-renewables.co.uk

ECOFLOW

Residential EV Charging Solution

EcoFlow PowerPulse

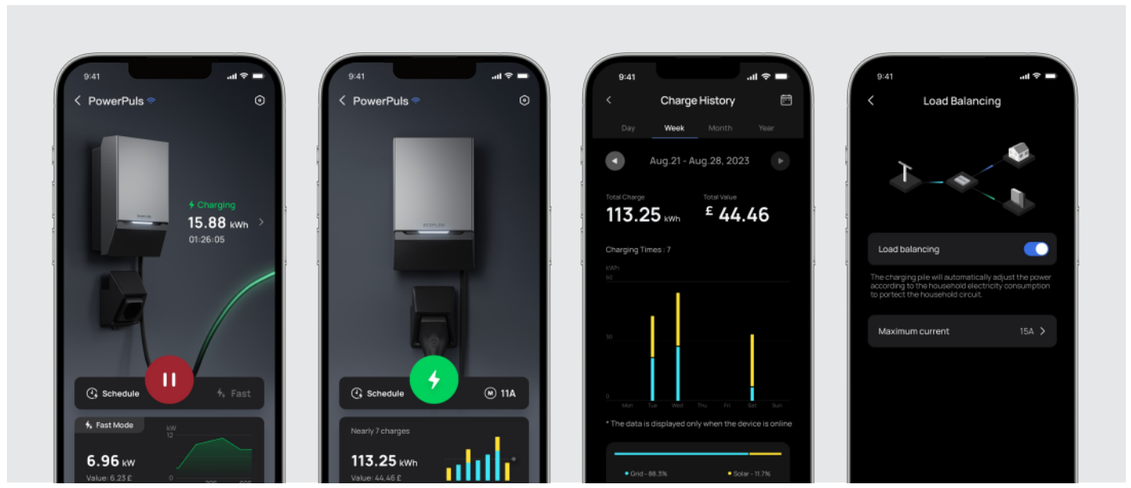
Turn Solar Into Mileage

Perfect Synergy EcoFlow PowerOcean Series

The PowerOcean system channels photovoltaic yield in real-time, optimising energy usage and delivering superior load management and instantaneous power for your EV. It even stores surplus energy for use when needed. Now, that's a financial surplus in motion.

Drive Your Solar Journey

Navigate solar power intuitively with the EcoFlow app. Monitor usage, schedule charging, prioritise vehicles, manage energy stock, and more. Experience ultimate control over your solar charging performance.



Dynamic Yet Independent

Charging at home lets you take advantage of comfort; this is why we have designed the PowerPulse to charge your EV, even without integrated systems.

Lightning Fast
11kW Charging

PowerPulse outputs an impressive 11kW, injecting up to 65 miles of range into your EV in just an hour. Advanced controls and microsecond calibration maximise solar energy uptake and load management, accelerating charging to new heights.

Uncompromised
Security and Safety

Safety is our top priority. PowerPulse thermal sensors continuously monitor operating conditions, preventing overheating and auto-shutting off once the EV battery is fully charged.

Specification

Charging	**Voltage:** 230V (single phase), 400V (three phase) Current: 16 A Mains frequency: 50Hz/60Hz **Dynamic Load Balancing:** Adjust charging power dynamically based on household power	**Schedule Charging:** Set charging current and time via EcoFlow app **PV & PowerOcean Linkage Mode:** Store, charge, and use solar power intelligently according to household power usage
Safety Protection	**Safety Protection:** Over-voltage, Under-voltage, Over Current, Over Temperature, Short-Circuit, Residual Current, Grounding, Lightning	**RCD Protection:** 6mA DC, 30mA AC TYPE-A
Connectivity	**Connectivity:** IEEE 802.11 b/g/n 2.4 GHz Wi-Fi Ethernet Bluetooth RS485 **Interaction:** Ecoflow App	**Firmware Features:** Open platform with support for OCPP (Open Charge Point Protocol) 1.6J and MODBUS-RTU Over-the-air (OTA) firmware updates
Weight and Dimensions	**Dimensions (WxHxD):** 178mm x 283mm x 99 mm (without cable) **Cable:** 5m Cable IEC 62196-2 Type 2 **Enclosure:** IP65 rated for indoor and outdoor installation IK10 rated	**Weight:** 3 kg (with cable) **Charger Bracket (WxHxD):** 120mm x 172mm x 80mm **LED Light:** Colour LEDs to indicate charger status and fault condition on both the wall charger and the EV connector
Compliance	EN IEC61851-1:2019, EN IEC61851-21-2:2021, EN300328 V2.2.2, EN300330 V2.1.1, EN301489-1 V2.2.3, EN301489-17 V3.2.4, EN301489-3 V2.3.2, EN IEC61000-6-1:2019, EN IEC61000-6-3:2021, EN IEC62311:2020, IEC62955:2018EN60529:1991+A1:2000+A2:2013, EN62196-1:2014, EN IEC62196-2:2022, EN50620:2017+A1:2019, EN61984:2009 EN60529:1991+A1:2000+A2:2013, 2011/65/EU+2015/863, 1907/2006, 1907/2006, 1907/2006, 2019/1021, 2012/19/EU, (EU) 2022/30, EN303645	
Warranty	24 months	

ECOFLOW

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
	Weight	Approx. 3.3 kg
Safety protection	Protection type	Overvoltage protection, undervoltage protection, overcurrent protection, overtemperature protection, lightning protection, short circuit protection, overload protection, relay sticking protection
	RCD	TypeA+6mA DC detection
Smart charging (on EcoFlow app)	Current regulation accuracy	1A (app) / 0.1A (RS485/OCPP), minimum charging current 6A
	Scheduled charging	Supported
	Load balance [1]	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 [2]	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.

Smart charging (on EcoFlow app)	Phase switching [3]	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".
Certification and compliance	Certification	CE, RoHS, REACH
	Compliance	IEC 61851-1, IEC 61851-21-2

[1] [2] These features require the use of a smart meter (ADL400) and other necessary accessories.
[3] This feature is only effective when connected to the PowerOcean system.