


# EU TYPE EXAMINATION CERTIFICATE

## Directive 2014/32/EU, Module B

### 0598/MID/B/25/054 Issue 1

**Product** Active Electrical Energy Meters (Annex V MI-003)

**Model** Meter type(s) Description Instrument Traceable No.  
EF PP-H02 series Polyphase, Electrical 0598/MID/B/25/054  
Vehicle Charging Meter

**Trademark**  **EcoFlow**

**Certificate holder / Manufacturer** EcoFlow Inc.  
RM 401, Plant #1, Runheng Industrial Zone, Fuyuan Road, Zhancheng Community, Fuhai Street, Bao'an District, Shenzhen City, Guangdong Province, P.R.China

**Directive information** For the instruments mentioned in this Certificate, the following essential requirements of Directive 2014/32/EU apply:  
- Annex I Essential requirements  
- Annex V Active electrical meters (MI-003)

**Standards** EN 50470-3:2022, EN IEC 62052-11:2021+A11:2022, EN 62052-31:2016

**Validity** This certificate is valid until 2035-08-18.  
The manufacturer must inform SGS Fimko in case of any intended change to the design. Unauthorised changes will invalidate this certificate.

The Manufacturer is permitted to affix the CE-marking onto the instrument(s) after complying with the conformity assessment procedures referred to in Article 17 of the Directive and to draw up a written declaration of conformity.

**Date of issue** 2025-08-18

SGS Fimko Oy  
Notified Body 0598

**Signature**

  
Mikko Välimäki  
Certification Manager



**Test report(s)**

Report Number	Date
SHES250200240501	2025-07-28
SHES250200240502	2025-07-28

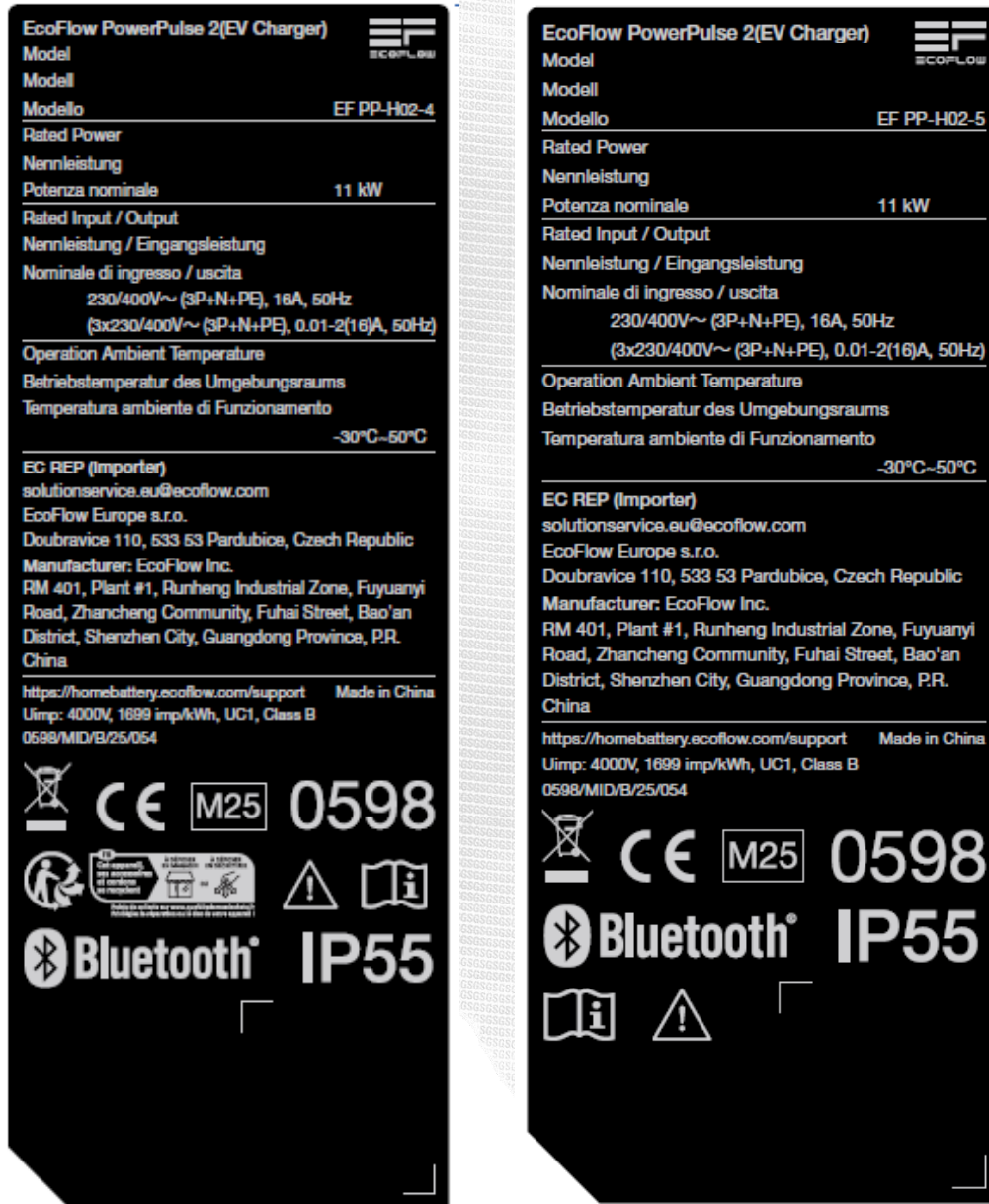
**Technical information**

Meter type(s)	EF PP-H02-4 EF PP-H02-5 EF PP-H02-6 EF PP-H02-7
Voltage rating (U <sup>n</sup> )	3*230/400V
Current rating (I <sub>min</sub> – I <sub>ref</sub> (I <sub>max</sub> ))	EF PP-H02-6, EF PP-H02-7: 0.25-5(32)A EF PP-H02-4, EF PP-H02-5: 0.01~2(16)A
Frequency (F <sub>n</sub> )	50Hz
Active Accuracy Class (kWh)	B (kWh)
Type of circuit	3P5W
Temperature range	EF PP-H02-4, EF PP-H02-5: -30°C to +50°C EF PP-H02-6, EF PP-H02-7: -30°C to +40°C
Software/Firmware version no.:	20250702
CRC Checksum	C7276D9E
Identification location	LCD
Bill of Materials No(s).	EF PP-H02-4, EF PP-H02-5: 4020303006, 4020303003 EF PP-H02-6, EF PP-H02-57: 4020303004, 4020303007
IP rating	IP55
Insulation protective class	Class I
LED Pulse Constant	1699 imp/kWh
Impulse Voltage Rating	4kV
AC Voltage Rating	1.5kV
Main Cover Sealing Type	5 x screws
Integrity of Meter	Inaccessible without breaking seals
Intended location of the Meter	Indoor/Outdoor
Type of Register	LCD

## Photograph of Meter and Sealing Plan



## Example of Nameplates



**EcoFlow PowerPulse 2(EV Charger)**

Model

Modell

Modello EF PP-H02-6

Rated Power

Nennleistung

Potenza nominale 22 kW

Rated Input / Output

Nennleistung / Eingangsleistung

Nominale di ingresso / uscita

230/400V~ (3P+N+PE), 32A, 50Hz  
(3x230/400V~ (3P+N+PE), 0.25-5(32)A, 50Hz)

Operation Ambient Temperature

Betriebstemperatur des Umgebungsraums

Temperatura ambiente di Funzionamento

-30°C~40°C

EC REP (Importer)

solutionservice.eu@ecoflow.com

EcoFlow Europe s.r.o.

Doubravice 110, 533 53 Pardubice, Czech Republic

Manufacturer: EcoFlow Inc.

RM 401, Plant #1, Runheng Industrial Zone, Fuyuanli Road, Zhancheng Community, Fuhai Street, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

<https://homebattery.ecoflow.com/support> Made in China

Uimp: 4000V, 1699 imp/kWh, UC1, Class B

0598/MID/B/25/054

CE M25 0598

Bluetooth IP55

**EcoFlow PowerPulse 2(EV Charger)**

Model

Modell

Modello EF PP-H02-7

Rated Power

Nennleistung

Potenza nominale 22 kW

Rated Input/Output

Nennleistung / Eingangsleistung

Nominale di ingresso/uscita

230/400V~ (3P+N+PE), 32A, 50Hz  
(3x230/400V~ (3P+N+PE), 0.25-5(32)A, 50Hz)

Operation Ambient Temperature

Betriebstemperatur des Umgebungsraums

Temperatura ambiente di Funzionamento

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0598/MID/B/25/054

CE M25 0598

Bluetooth IP55

## Calculation of the composite error / MPE

During the type approval examination the influence factors for temperature, frequency and voltage are determined per load point. The table below represents the sum of the square values per load, determined via the following formula:

$$\delta e(T, U, f) = \sqrt{(\delta e^2(T, I, \cos\varphi) + \delta e^2(U, I, \cos\varphi) + \delta e^2(f, I, \cos\varphi))}$$

where

$\delta e(T, I, \cos\varphi)$  = Additional error due to variation of the temperature at the same load

$\delta e(U, I, \cos\varphi)$  = Additional error due to variation of the voltage at the same load

$\delta e(f, I, \cos\varphi)$  = Additional error due to variation of the frequency at the same load.

		Influence Factors for Temperature, Voltage & Frequency						
Current	PF Cos	-30°C	-25°C	-10°C	5°C	30°C	40°C	50°C
Imin	1.0	1.10	1.08	0.81	0.84	0.54	0.66	0.77
Itr	1.0	1.07	1.05	0.82	0.80	0.61	0.89	1.01
10ltr	1.0	1.20	1.19	0.91	0.87	0.57	0.57	0.69
Imax	1.0	1.12	1.09	0.82	0.78	0.51	0.68	0.80
Itr	0.5ind	1.30	1.30	1.09	1.04	0.79	0.43	0.53
10ltr	0.5ind	1.38	1.33	1.09	1.03	0.76	0.54	0.62
Imax	0.5ind	1.05	1.01	0.81	0.75	0.57	0.94	1.04
Itr	0.8cap	1.19	1.16	1.03	1.01	0.97	1.42	1.50
10ltr	0.8cap	1.21	1.14	0.88	0.79	0.48	0.68	0.79
Imax	0.8cap	1.18	1.27	0.86	0.84	0.43	0.60	0.68
L1								
Itr	1.0	1.05	1.38	0.81	0.77	0.54	0.89	0.96
10ltr	1.0	1.10	1.17	0.71	0.67	0.42	0.90	0.88
Imax	1.0	1.02	0.87	0.69	0.65	0.50	1.01	1.00
Itr	0.5ind	1.10	1.41	0.92	0.91	0.55	0.56	0.74
10ltr	0.5ind	1.07	0.93	0.70	0.62	0.33	0.85	0.82
Imax	0.5ind	1.06	0.92	0.85	0.82	0.86	1.42	1.37
L2								
Itr	1.0	1.23	1.12	0.92	0.80	0.53	0.94	0.98
10ltr	1.0	1.42	1.28	1.02	0.86	0.32	0.56	0.61
Imax	1.0	1.48	1.37	1.15	1.01	0.70	0.90	0.93
Itr	0.5ind	1.02	0.95	0.81	0.69	0.47	0.84	0.88
10ltr	0.5ind	1.38	1.26	1.05	0.91	0.51	0.72	0.75
Imax	0.5ind	1.17	1.05	0.89	0.77	0.67	1.17	1.19
L3								
Itr	1.0	1.39	1.26	1.07	0.88	0.37	0.48	0.51
10ltr	1.0	1.92	1.80	1.60	1.42	0.96	0.67	0.68
Imax	1.0	1.76	1.65	1.44	1.26	0.79	0.56	0.57
Itr	0.5ind	1.05	0.99	0.86	0.68	0.21	0.62	0.65
10ltr	0.5ind	1.72	1.62	1.43	1.27	0.83	0.60	0.61
Imax	0.5ind	1.33	1.23	1.04	0.85	0.27	0.49	0.51

## Annex of Variants

Product variant identification details:

Model No.	Voltage range	Current range	Target market	Temperature range
EF PP-H02-4	3x230/400V	0.01-2(16)A	Europe	-30~50 °C
EF PP-H02-5		0.01-2(16)A	the Netherlands	-30~50 °C
EF PP-H02-6		0.25-5(32)A	Europe	-30~40 °C
EF PP-H02-7		0.25-5(32)A	the Netherlands	-30~40 °C

## Certificate Revision History

Issue	Date	Comments
1	2025-08-18	Initial Issue