

# CERTIFICATE OF CONFORMITY

Issued to: EcoFlow Inc.  
RM 401, Plant #1, Runheng Industrial Zone, Fuyuan Road, Zhancheng  
Community, Fuhai Street, Bao'an District, Shenzhen City, Guangdong Province,  
China

For the product: EcoFlow OCEAN 2 Hybrid Inverter Three-Phase

Trade name:



Type/Model: EF HD-P3-12K0-S2F, EF HD-P3-12K0-S2, EF HD-P3-10K0-S2F,  
EF HD-P3-10K0-S2, EF HD-P3-8K0-S2F, EF HD-P3-8K0-S2,  
EF HD-P3-6K0-S2F, EF HD-P3-6K0-S2, EF HD-P3-5K0-S2F,  
EF HD-P3-5K0-S2

Ratings: See annex

Manufactured by: EcoFlow Inc.  
RM 401, Plant #1, Runheng Industrial Zone, Fuyuan Road, Zhancheng  
Community, Fuhai Street, Bao'an District, Shenzhen City, Guangdong Province,  
China

Requirements: IEC 62116:2014

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down  
in a confidential file no. 4954361.50.

The examination has been carried out on one single specimen of the product. The Attestation does not  
include an assessment of the manufacturer's production. Conformity of this production with the specimen  
tested by DEKRA is not the responsibility of DEKRA.

This Test Certificate expires at the latest on 26 March 2031 or expires upon withdrawal of one of the above  
mentioned standards.

Shanghai, 26 March 2026

Number: 4954361.01COC

DEKRA Testing and Certification (Shanghai) Ltd.

Rosa Zhou  
Certification Manager

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ESA-CER-F021 v4.1

PCA-141

| Model List and Rating:  |                                                     |                                       |                                       |                                     |                                     |                                     |
|-------------------------|-----------------------------------------------------|---------------------------------------|---------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Model                   |                                                     | EF HD-P3-12K0-S2F<br>EF HD-P3-12K0-S2 | EF HD-P3-10K0-S2F<br>EF HD-P3-10K0-S2 | EF HD-P3-8K0-S2F<br>EF HD-P3-8K0-S2 | EF HD-P3-6K0-S2F<br>EF HD-P3-6K0-S2 | EF HD-P3-5K0-S2F<br>EF HD-P3-5K0-S2 |
| PV Input                | Vmax PV (Vdc)                                       | 1000                                  |                                       |                                     |                                     |                                     |
|                         | MPPT Voltage Range (Vdc)                            | 50-1000                               |                                       |                                     |                                     |                                     |
|                         | Number of MPPT trackers                             | 3                                     |                                       |                                     |                                     |                                     |
|                         | Max. PV input current (A)                           | PV1/2/3 16/16/16                      |                                       |                                     |                                     |                                     |
|                         | Ithe solar +60°C (40°C) (A)                         | PV1/2/3 16/16/16                      |                                       |                                     |                                     |                                     |
|                         | Isc PV (absolute Max.) (A)                          | PV1/2/3 20/20/20                      |                                       |                                     |                                     |                                     |
| Battery                 | Battery type                                        | Li-ion                                |                                       |                                     |                                     |                                     |
|                         | Battery Nominal Voltage (V)                         | 800                                   |                                       |                                     |                                     |                                     |
|                         | Max. Charging Current (A)                           | 20.8                                  | 20.8                                  | 20.8                                | 20.8                                | 20                                  |
|                         | Max. Discharging Current (A)                        | 18                                    | 15                                    | 12                                  | 9                                   | 6.8                                 |
|                         | Maximum Charge Current of Expansion Terminal (A)    | 28                                    | 28                                    | 28                                  | 24                                  | 20                                  |
|                         | Maximum Discharge Current of Expansion Terminal (A) | 18                                    | 15                                    | 12                                  | 9                                   | 6.8                                 |
| AC Input<br>(Side Grid) | Normal AC Voltage (Vac)                             | 3L/N/PE 220/230, 380/400              |                                       |                                     |                                     |                                     |
|                         | Current (maximum continuous) (A a.c.)               | 63                                    |                                       |                                     |                                     |                                     |
|                         | Frequency (Hz)                                      | 50/ 60                                |                                       |                                     |                                     |                                     |
|                         | Power factor(adjustable)                            | -0.8 to 0.8                           |                                       |                                     |                                     |                                     |
| AC output (Grid Side)   | Rated Apparent Output Power (W)                     | 12000                                 | 10000                                 | 8000                                | 6000                                | 5000                                |
|                         | Max Apparent Output Power (VA)                      | 13200                                 | 11000                                 | 8800                                | 6600                                | 5000                                |
|                         | Normal AC Voltage (Vac)                             | 3L/N/PE 220/230, 380/400              |                                       |                                     |                                     |                                     |
|                         | Frequency (Hz)                                      | 50Hz/ 60Hz                            |                                       |                                     |                                     |                                     |
|                         | Rated Output Current (A a.c.)                       | 18.2/<br>17.4                         | 15.2/<br>14.5                         | 12.2/<br>11.6                       | 9.1/ 8.7                            | 7.6/7.2                             |
|                         | Max. Output Current (A a.c.)                        | 21.4                                  | 17.8                                  | 14.3                                | 10.7                                | 8.9                                 |
|                         | Power factor(adjustable)                            | -0.8 to 0.8                           |                                       |                                     |                                     |                                     |
| AC Output (Back-up)     | Nominal Output Power (W)                            | 12000                                 | 10000                                 | 8000                                | 6000                                | 5000                                |
|                         | Normal Voltage (Vac)                                | 3L/N/PE 220/230, 380/400              |                                       |                                     |                                     |                                     |
|                         | Frequency (Hz)                                      | 50Hz/ 60Hz                            |                                       |                                     |                                     |                                     |
|                         | Rated Output Current (A a.c.)                       | 18.2/<br>17.4                         | 15.2/<br>14.5                         | 12.2/<br>11.6                       | 9.1/ 8.7                            | 7.6/7.2                             |
|                         | Max. Output Current (Off-Grid) (A a.c.)             | 21.4                                  | 17.8                                  | 14.3                                | 10.7                                | 8.9                                 |
|                         | Max. Output Current (On-Grid) (A a.c.)              | 63                                    |                                       |                                     |                                     |                                     |
| Other                   | Ingress protection (IP)                             | IP66                                  |                                       |                                     |                                     |                                     |
|                         | Protective class                                    | Class I                               |                                       |                                     |                                     |                                     |
|                         | Temperature (°C)                                    | -20°C to +60°C                        |                                       |                                     |                                     |                                     |
|                         | Cooling Method                                      | Intelligent air cooling               |                                       |                                     |                                     |                                     |
|                         | Inverter Isolation                                  | Non-isolated                          |                                       |                                     |                                     |                                     |
|                         | Overvoltage category                                | OVC III (AC Main), OVC II (DC)        |                                       |                                     |                                     |                                     |

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