

# Certificate of Conformity (COC)



Certificate Holder : EcoFlow Inc.  
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Date of Original Issue : 2025-01-29

Date of Last Revision : --

Date of Expiry : 2028-01-28

Certificate Number : PCS-25-1027

Product : EcoFlow PowerOcean Plus Hybrid Inverter

Ratings : See appendix on page 2

Brand/Trademark :  **ECOFLOW** or **ECOFLOW**

Model : EF HD-P3-29K9-S1, EF HD-P3-25K0-S1, EF HD-P3-20K0-S1, EF HD-P3-15K0-S1

Test Laboratory : SGS-CSTC Standards Technical Services Co., Ltd. Suzhou Branch

Testing Report : SUEE250100002551

Test Standard : EN 50549-1: 2019



This is to certify that the product has been tested and was found to comply with the requirements of the standard(s).  
The above-mentioned product is certified according to the requirements of ISO/IEC 17065:2012.

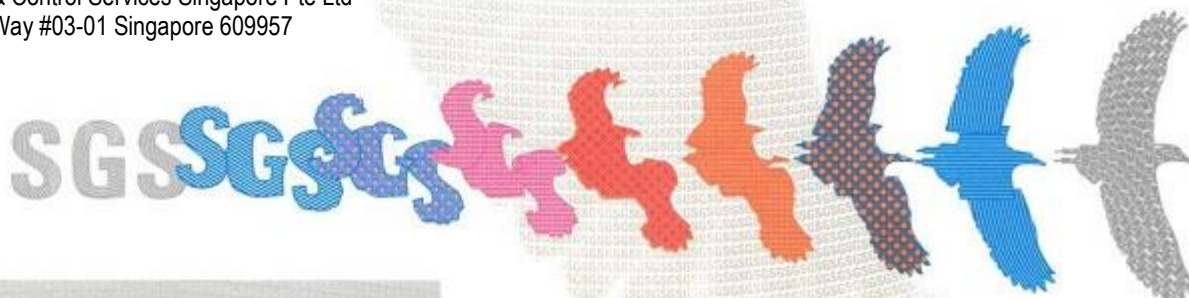
The above-mentioned product is certified according to the standard EN 50549-1: 2019 and is valid to be installed in generating of type plants B to be connected to a LV distribution network. The relation between this European Standard with the relevant Article of COMMISSION REGULATION (EU) 2016/631 (NC RfG) is considered as it is indicated in the annex H of the standard EN 50549-1:2019.

Requirements for interface protection according to the clause 4.9.3 of the above-mentioned standard have been checked verifying upper and lower thresholds of the voltage and frequency configuration ranges which are required in the certified standard. This ensures the compliance with interface protection settings which adjusted inside of these configuration ranges, as for example, interface protection settings needed in **Ukraine**.

Christopher Hee  
Certification Officer



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| Model                              | EF HD-P3-29K9-S1                   | EF HD-P3-25K0-S1 | EF HD-P3-20K0-S1 | EF HD-P3-15K0-S1 |
|------------------------------------|------------------------------------|------------------|------------------|------------------|
| Input:                             |                                    |                  |                  |                  |
| Vmax PV (Vdc)                      | 1000                               |                  |                  |                  |
| Start-up Voltage (Vdc)             | 160                                |                  |                  |                  |
| MPPT Voltage Range (Vdc)           | 200-850                            |                  |                  |                  |
| Isc PV (absolute Max.) (A)         | PV1 19/19, PV2/3 24/24             |                  |                  |                  |
| Number of MPP trackers             | 3                                  |                  |                  |                  |
| Max. PV input current (A)          | PV1 16/16, PV2/3 16/16             |                  |                  |                  |
| Battery (charge / discharge):      |                                    |                  |                  |                  |
| Battery Nominal Voltage (V)        | 800                                |                  |                  |                  |
| Max. Current (A)                   | 40.0                               | 33.3             | 26.6             | 20.0             |
| AC Input (Grid Side):              |                                    |                  |                  |                  |
| Normal AC Voltage (Vac)            | 400/230, 3L/N/PE                   |                  |                  |                  |
| Frequency (Hz)                     | 50                                 |                  |                  |                  |
| Max. input current (A)             | 62.3                               |                  |                  |                  |
| Power factor(adjustable)           | -0.8 ~ +0.8                        |                  |                  |                  |
| AC Output (Grid Side)              |                                    |                  |                  |                  |
| Normal AC Voltage (Vac)            | 400/230, 3L/N/PE                   |                  |                  |                  |
| Frequency (Hz)                     | 50                                 |                  |                  |                  |
| Rated output Current (A)           | 43.3                               | 36.2             | 29.0             | 21.7             |
| Rated apparent output Power (VA)   | 29900                              | 25000            | 20000            | 15000            |
| Max. apparent output Power (VA)    | 29900                              | 25000            | 20000            | 15000            |
| Power factor(adjustable)           | -0.8 ~ +0.8                        |                  |                  |                  |
| AC Output (Back-up):               |                                    |                  |                  |                  |
| Normal Voltage (Vac)               | 3L/N/PE 400/230                    |                  |                  |                  |
| Frequency (Hz)                     | 50                                 |                  |                  |                  |
| Rated output Current (A)           | 43.3                               | 36.2             | 29.0             | 21.7             |
| Max. output Current (Off-Grid) (A) | 52.0@1s                            | 43.4@1s          | 34.8@1s          | 26.0@1s          |
| Normal apparent output Power (VA)  | 29900                              | 25000            | 20000            | 15000            |
| Max. apparent output Power (VA)    | 35880@1s                           | 30000@1s         | 24000@1s         | 18000@1s         |
| Others:                            |                                    |                  |                  |                  |
| Ingress protection (IP)            | IP65                               |                  |                  |                  |
| Protective class                   | Class I                            |                  |                  |                  |
| Temperature (°C)                   | -20°C to +50°C                     |                  |                  |                  |
| Cooling Method                     | Intelligent air cooling            |                  |                  |                  |
| Inverter Isolation                 | Non-isolated                       |                  |                  |                  |
| Overvoltage category               | II (PV), III (Mains)               |                  |                  |                  |
| Dimensions (W*D*H)                 | 636*235*498mm (without trim cover) |                  |                  |                  |
| Weight                             | 41.0 kg                            |                  |                  |                  |
| Altitude                           | 3000m                              |                  |                  |                  |
| Topology                           | Transformerless                    |                  |                  |                  |

