



Certificate of Conformity (COC)



Certificate holder / Titolare del certificato : 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

Date of Original Issue / Data di emissione originale : 2025-04-26
Date of Last Revision / Data dell'ultima revisione : --
Date of Expiry / Data di scadenza : 2028-04-25
Certificate Number / Numero di certificato : PCS-25-1087



Brand/ Trademark / Marchio :  or 

Type of generating unit / Tipologia di apparat :

| Interface device / Dispositivo di interfaccia | Interconnection protection device / Protezione di interfaccia | Static Power Converter / Dispositivo di conversione statica | Rotatory Power Converter / Dispositivo di generazione rotante |
|---|---|---|---|
| -- | X | X | -- |

Models / Modelli : EF HD-P3-29K9-S1, EF HD-P3-25K0-S1, EF HD-P3-20K0-S1, EF HD-P3-15K0-S1

Technical Data / Dati Tecnici : See appendix on page 2

Test Laboratory / Laboratorio di prova : SGS-CSTC Standards Technical Services Co., Ltd. Suzhou Branch

Testing Report(s) / Rapporto/i di prova : SUEE250400010851

Test Standard(s) / Standard/i di prova :

CEI 0-21:2022-03+V1:2022-11+V2:2024-01 "Reference technical rules for the connection of active and passive users to the LV electrical Utilities", **Allegato A / CEI 0-21:2022-03+V1:2022-11+V2:2024-01** "Regola tecnica di riferimento per la connessione di Utenti attivi e passivi alla rete BT delle imprese distributrici di energia elettrica", **Allegato A**.

Having assessed tests reports issued by laboratories accredited under the requirements of the ISO / IEC 17025, / *Avendo valutato i rapporti di prova rilasciati da laboratori accreditati secondo i requisiti della norma ISO / IEC 17025*

This is to certify that the product has been tested and was found to comply with the requirements of the standard(s). / *La presente attesta che il prodotto è stato testato e risulta conforme ai requisiti dello standard (s).*

The above-mentioned product is certified according to the requirements of ISO/IEC 17065:2012. / *Il suddetto prodotto è certificato secondo i requisiti di ISO / IEC 17065: 2012.*

Christopher Hee
Certification Officer



SGS Testing & Control Services Singapore Pte Ltd
30 Boon Lay Way #03-01 Singapore 609957



The use of this Certificate is subjected to the General Conditions for Certification Services accessible at <https://www.sgs.com/en/terms-and-conditions> and Certification Agreement for SGS Product Certification Scheme (PCS). Any unauthorised alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. This Certificate is part of a full report and should be read in conjunction with it. This Certificate cannot be reproduced except in full, without prior approval of the Company. This Certificate remains the property of SGS Testing & Control Services Singapore Pte Ltd and shall be returned upon request.

| 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 Battery Voltage (V) | 960 | | | |
| 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) | 63.0 | | | |
| 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 | | | |

