

Certificate of Conformity (COC)



Certificate Holder : EcoFlow Inc.
Room 401, Plant #1, Runheng Industrial Zone, Fuyuan Road, Zhancheng Community, Fuhai Street,
Bao'an, Shenzhen, Guangdong Province, P.R. China

Date of Original Issue : 2025-01-29

Date of Last Revision : --

Date of Expiry : 2028-01-28

Certificate Number : PCS-25-1025

Product : EcoFlow PowerOcean Plus Hybrid Inverter

Ratings : See appendix on page 2

Brand/Trademark :  **EF**
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.

This certification ensures the compliance with specific deviations for interface protection according for **Switzerland** which have been verified according to the standard **NA/EEA-NE7-CH 2020**

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. 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			

