Certificate of Conformity (COC)

Certificate Holder	:	EcoFlow Inc. Room 401, Plant #1, Runheng Industrial Zone, Fuyuanyi Road, Zhancheng Community, Fuhai Street, Bao'an, Shenzhen, Guangdong, China
Date of Original Issue	:	2025-03-21
Date of Last Revision	:	--
Date of Expiry	:	2028-03-20
Certificate Number	:	PCS-25-1040
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-AM1
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 **Ireland** which have been verified according to Document Number: DOC-030221-GAP of ESB Networks Company Standard- Conditions Governing the Connection and Operation.

Christopher Hee
Certification Officer

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

Accredited Certification Body SAC
PD-2016-15

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APPENDIX

Certificate Number: PCS-25-1040

Rating specifications of EcoFlow PowerOcean Plus Hybrid Inverter				
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			

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