

ATTESTATION 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 PowerOcean Plus Hybrid Inverter

Trade name:



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

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

Subject: Complete evaluation of electrical system of the appliances

Requirements: G99/1-9:2022

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a test file / test report no 4929472.50.

The examination has been carried out on one single specimen or several specimens of the product, submitted by the manufacturer. 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 document does not authorize the use of any DEKRA approved mark.

Arnhem, 25 March 2025

Number: 4929472.01AOC

DEKRA Testing and Certification (Shanghai) Ltd.,
Guangzhou Branch



Miranda Zhou
Certification Manager

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Annex

Document no. : 4929472.01AOC

Ratings:

Model list and rating (Inverter):					
Model		EF HD-P3-29K9-S1	EF HD-P3-25K0-S1	EF HD-P3-20K0-S1	EF HD-P3-15K0-S1
PV Input	V _{MAX PV} [V _{DC}]	1000			
	I _{SC PV} [A _{DC}]	PV1 19/19,PV2&3 24/24			
	MPPT Voltage Range V _{MPP} [V _{DC}]	200-850			
	Max. Input Current I _{MAX} [A _{DC}]	PV1 16/16,PV2&3 16/16			
	MPPT Full Power Voltage Range [V _{DC}]	200-850			
	Number of MPPT	3			
	String per MPPT	PV1 2,PV2/3 1/1			
	Overvoltage Category (OVC)	II			
Battery	Rated input voltage [V _{DC}]	800			
	Input voltage range [V _{DC}]	750~960			
	Max. charge/ Discharge current [A _{DC}]	40.0	33.3	26.6	20.0
	Max. charge/ Discharge Power [kW]	29.9	25.0	20.0	15.0
	Battery Type	Li-ion			
AC Input (Side Grid)	Rated Output Voltage [V _{AC}]	230/400,3L/N/PE			
	Rated Output Frequency [Hz]	50			
	Max. Input Current [A _{AC}]	63.0			
	Power Factor cosφ [λ]	-0.8 leading to +0.8 lagging (adjustable)			
	Overvoltage Category (OVC)	III			
AC output (Grid Side)	Rated Output Voltage [V _{AC}]	230/400, 3L/N/PE			
	Rated Output Frequency [Hz]	50			
	Rated Output Power [kW]	29.9	25	20	15
	Max. Apparent power [kVA]	29.9	25	20	15
	Max. Output Current [A _{AC}]	43.3	36.2	29	21.7
	Overvoltage Category (OVC)	III			
AC Output	Rated Output Voltage [V _{AC}]	230/400, 3L/N/PE			
	Rated Output Frequency [Hz]	50			
	Rated Output Current [A _{AC}]	43.3	36.2	29.0	21.7
	Rated Output Power [kW]	29.9	25	20	15

	Max. Apparent power [kVA]	35.88@1s	30.0@1s	24.0@1s	18.0@1s
	Max. Output Current (off-grid) [A _{AC}]	52.0@1s	43.4@1s	34.8@1s	26.0@1s
	Overvoltage Category (OVC)	III			
General	Type of inverter	Non-Isolated			
	Type of NS Protection	Integrated			
	Protective Class	Class I			
	Enclosure Protection (IP)	IP65			
	Operating Temperature Range [°C]	-20°C to +50°C (45°C with derating)			
	Pollution degree	PD2(internal), PD3(outside)			
	Altitude [m]	3000			
	Size (W*H*D) [mm]	636*235*498 (without trim cover)			
	Weight [kg]	41			

End