

# CERTIFICATE 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 OCEAN 2 Hybrid Inverter Three-Phase

Trade name:  or **ECOFLOW**

Type/Model: EF HD-P3-15K-G2F, EF HD-P3-15K-G2, EF HD-P3-12K-G2F, EF HD-P3-12K-G2  
EF HD-P3-10K-G2F, EF HD-P3-10K-G2, EF HD-P3-8K-G2F, EF HD-P3-8K-G2  
EF HD-P3-6K-G2F, EF HD-P3-6K-G2, EF HD-P3-5K-G2F, EF HD-P3-5K-G2  
EF HD-P3-4K-G2F, EF HD-P3-4K-G2, EF HD-P3-3K-G2F, EF HD-P3-3K-G2  
EF HD-P3-15K0-S2F, EF HD-P3-12K0-S2F, EF HD-P3-12K0-S2  
EF HD-P3-10K0-S2F, EF HD-P3-10K0-S2, EF HD-P3-8K0-S2F  
EF HD-P3-8K0-S2, EF HD-P3-6K0-S2F, EF HD-P3-6K0-S2  
EF HD-P3-5K0-S2F, EF HD-P3-5K0-S2

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.

Requirements: TOR Erzeuger Typ A V1.3:2024  
OVE-Richtlinie R 25:2020

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down  
in a confidential file no. 4948161.50.

The examination has been carried out on one single specimen of the product. 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 Test Certificate expires at the latest on 27 April 2031 or expires upon withdrawal of one of the above  
mentioned standards.

Shanghai, 27 April 2026

Number: 4948161.01COC

DEKRA Testing and Certification (Shanghai) Ltd.



Rosa Zhou  
Certification Manager

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PCA-141

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ESA-CER-F021 v4.1

Model list and rating:									
Model		EF HD-P3-3K-G2F EF HD-P3-3K-G2	EF HD-P3-4K-G2F EF HD-P3-4K-G2	EF HD-P3-5K-G2F EF HD-P3-5K-G2	EF HD-P3-6K-G2F EF HD-P3-6K-G2	EF HD-P3-8K-G2F EF HD-P3-8K-G2	EF HD-P3-10K-G2F EF HD-P3-10K-G2	EF HD-P3-12K-G2F EF HD-P3-12K-G2	EF HD-P3-15K-G2F EF HD-P3-15K-G2 EF HD-P3-15K0-S2F
PV Input	Number of MPPT Trackers	3							
	Number of Strings per MPPT	1							
	Max. Input Power per MPPT(W)	6000	8000	8000	8000	8000	8000	8000	8000
	Max. Input Voltage (V)	1000							
	PV Operating Voltage Range (V)	50-1000							
	MPPT Voltage Range at Rated Power (V)	400-850							
	MPPT Start-up Voltage (V)	120							
	Max. Total Input Power (W)	6000	8000	10000	12000	16000	20000	24000	24000
	Max. Input Current per MPPT (A)	20							
	Max. Short Circuit Current per MPPT (A)	25							
AC Input/Output (On-Grid)	Nominal Output Power (W)	3000	4000	5000	6000	8000	10000	12000	15000
	Nominal Output Apparent Power (VA)	3000	4000	5000	6000	8000	10000	12000	15000
	Max. Output Apparent Power (VA)	3300	4400	5000	6600	8800	11000	13200	15000
	Supported Power Grid Types	Supports TN-S, TN-C, TN-C-S, TT systems							
	Nominal Voltage (V)	L-L: 380/400Vac; L-N: 220/230Vac; 3L+N+PE							
	Nominal Frequency (Hz)	50/60Hz							
	Nominal Output Current	4.3A@230V 4.5A@220V	5.8A@230V 6.1A@220V	7.2A@230V 7.6A@220V	8.7A@230V 9.1A@220V	11.6A@230V 12.2A@220V	14.5A@230V 15.2A@220V	17.4A@230V 18.2A@220V	21.7A@230V 22.7A@220V
	Max. Output Current (A)	5.3	7.1	8.9	10.7	14.3	17.8	21.4	25.0
	Max. Input Current (A)	63							
	Power Factor	0.8 leading ~ 0.8 lagging							
AC Output (Backup)	Nominal Output Power (W)	3000	4000	5000	6000	8000	10000	12000	15000
	Nominal Output Apparent Power (VA)	3000	4000	5000	6000	8000	10000	12000	15000
	Max. Output Apparent Power (VA)	3300	4400	5000	6600	8800	11000	13200	15000
	Nominal frequency (Hz)	50/60Hz							

	Nominal Output current (A)	4.3A@2 30V	5.8A@2 30V	7.2A@2 30V	8.7A@ 230V	11.6A @230V	14.5A @230V	17.4A @230V	21.7A @230V
		4.5A@2 20V	6.1A@2 20V	7.6A@2 20V	9.1A@ 220V	12.2A @220V	15.2A @220V	18.2A @220V	22.7A @220V
	Power Factor	0.8 leading ~ 0.8 lagging							
<b>Battery Input/Output Side)</b>	Rated Voltage (V)	800							
	Voltage Range (V)	720-960							
	Battery Capacity	Up to 12 Battery Modules							
	Max. Charge Current of Stacking Terminal (A)	12.0	16.0	20.0	20.8				
	Max. Continuous Discharge Current of Stacking Terminal (A)	4.5	6.0	7.5	9.0	12.0	15.0	18.0	20.4
	Max. Charge Current of Expansion Terminal (A)	12.0	16.0	20.0	24.0	28.0	28.0	28.0	28.0
	Max. Continuous Discharge Current of Expansion Terminal (A)	4.5	6.0	7.5	9.0	12.0	15.0	18.0	20.4
	Operating Temperature Range	-20°C~60°C							
	Operating Altitude (m)	3000							
	Ingress Protection Rating	IP66							
Weight (kg)	Approx. 36.5								
Dimension (W×D×H) (mm)	680×406.5×203								

Model list and rating:						
Model		EF HD-P3-5K0-S2F EF HD-P3-5K0-S2	EF HD-P3-6K0-S2F EF HD-P3-6K0-S2	EF HD-P3-8K0-S2F EF HD-P3-8K0-S2	EF HD-P3-10K0-S2F EF HD-P3-10K0-S2	EF HD-P3-12K0-S2F EF HD-P3-12K0-S2
PV Input	Number of MPPT Trackers	3				
	Number of Strings per MPPT	1				
	Max. Input Power per MPPT(W)	8000	8000	8000	8000	8000
	Max. Input Voltage(V)	1000				
	PV Operating Voltage Range(V)	50-1000				
	MPPT Voltage Range at Rated Power(V)	500-850				
	MPPT Start-up Voltage(V)	120				
	Max. Total Input Power(W)	10000	12000	16000	20000	24000
	Max. Input Current per MPPT(A)	16				
	Max. Short Circuit Current per MPPT(A)	20				
AC Input/Output (On-Grid)	Nominal Output Power(W)	5000	6000	8000	10000	12000
	Nominal Output Apparent Power(VA)	5000	6000	8000	10000	12000
	Max. Output Apparent Power(VA)	5000	6600	8800	11000	13200
	Supported Power Grid Types	Supports TN-S, TN-C, TN-C-S, TT systems				
	Nominal Voltage(V)	L-L: 380/400Vac; L-N: 220/230Vac; 3L+N+PE				
	Nominal Frequency(Hz)	50/60Hz				
	Nominal Output Current	7.2A@230V 7.6A@220V	8.7A@230V 9.1A@220V	11.6A@230V 12.2A@220V	14.5A@230V 15.2A@220V	17.4A@230V 18.2A@220V
	Max. Output Current(A)	8.9	10.7	14.3	17.8	21.4
	Max. Input Current(A)	63				
	Power Factor	0.8 leading ~ 0.8 lagging				
AC Output (Backup)	Nominal Output Power(W)	5000	6000	8000	10000	12000
	Nominal Output Apparent Power(VA)	5000	6000	8000	10000	12000
	Max. Output Apparent Power(VA)	5000	6600	8800	11000	13200
	Nominal frequency(Hz)	50/60Hz				
	Nominal Output current(A)	7.2A@230V 7.6A@220V	8.7A@230V 9.1A@220V	11.6A@230V 12.2A@220V	14.5A@230V 15.2A@220V	17.4A@230V 18.2A@220V
	Power Factor	0.8 leading ~ 0.8 lagging				
Battery Rated Voltage(V)	800					

Voltage Range(V)	720-960				
Battery Capacity	Up to 12 Battery Modules				
Max. Charge Current of Stacking Terminal(A)	20.0	20.8			
Max. Continuous Discharge Current of Stacking Terminal(A)	6.8	9.0	12.0	15.0	18.0
Max. Charge Current of Expansion Terminal(A)	20.0	24.0	28.0	28.0	28.0
Max. Continuous Discharge Current of Expansion Terminal(A)	6.8	9.0	12.0	15.0	18.0
Operating Temperature Range	-20°C~60°C				
Operating Altitude(m)	3000				
Ingress Protection Rating	IP66				
Weight(kg)	Approx. 36.5				
Dimension (W×D×H) (mm)	680×406.5×203				

**Firmware version:** V1.0.0.0

**Testing Laboratory:**

DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou Branch  
Block 5. No.3, Qiyun Road, Huangpu District, Guangzhou, Guangdong, China

**Accreditation Number:** L5805 (CNAS-ILAC)

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