

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, China

For the product: EcoFlow STREAM AC 5000

Trade name:  ECOFLOW

Type/Model: EF-ST5K-AC-UK-3000-1, EF-ST5K-AC-EU-3000-1, EF-ST5K-AC-UK-2500-1
EF-ST5K-AC-EU-2500-1, EF-ST5K-AC-UK-1500-1, EF-ST5K-AC-EU-1500-1
EF-ST5K-AC-UK-800-1, EF-ST5K-AC-EU-800-1, EF-ST5K-AC-EU-790-1
EF-ST5K-AC-EU-600-1

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, China

Factory: Huizhou Sunwoda Energy Technology Co., Ltd.
"Jiweidu" (Tuning Section), Zhenxing Street, Lixi Economic Union, Yuanzhou Town,
Boluo County, Huizhou City, Guangdong, China

Requirements: C10/11:2025 (Edition 2.4)
EN 50549-1:2019

Type of product certification scheme: Type 1a (Type approval)

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 4958224.50.

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 14 July 2031 or expires upon withdrawal of one of the above mentioned standards.

Shanghai, 14 July 2026

Number: 4958224.01COC

DEKRA Testing and Certification (Shanghai) Ltd.



Rosa Zhou
Certification Manager



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PCA-141

Model list and ratings						
Model	EF-ST5K- AC-EU- 3000-1	EF-ST5K- AC-EU- 2500-1	EF-ST5K- AC-EU- 1500-1	EF-ST5K- AC-EU- 800-1	EF-ST5K- AC-EU- 790-1	EF-ST5K- AC-EU- 600-1
PV terminal						
Max. Input Voltage [Vdc]	60					
Max. Input Current [Adc]	32 (per MPPT)					
Max. Isc [Adc]	40 (per MPPT)					
Max MPPT Input Power [W]	5000W (1250W per MPPT)					
Operation Voltage Range [Vdc]	15-60					
Grid terminal						
Normal Voltage [Vac]	230, L+N+PE					
Rated Frequency [Hz]	50/60					
Rated Output Current [A]	13.00	10.90	6.52	3.48	3.43	2.61
Rated Output Power [W]	3000	2500	1500	800	790	600
Max. Output Current [A]	13.00	10.90	6.52	3.48	3.43	2.61
Max. Output Power [W]	3000	2500	1500	800	790	600
Max. apparent Power [VA]	3000	2500	1500	800	790	600
Max. Input Current [A]	16.0					
Max. Input Power [W]	3600					
Power Factor	1 (-0.8~+0.8)					
AC outlet						
Normal Voltage [Vac]	230, L+N+PE					
Rated Frequency [Hz]	50/60					
Rated Output Current [A]	13					
Max. Output Current [A]	16					
Max. Output Power [W]	3000					
Max. Input Current [A]	3.48					
Max. Input Power [W]	800					
Power Factor	1 (-0.8~+0.8)					
Battery terminal						
Battery type	LiFePO4					
Battery Capacity	314Ah@16V=5024Wh					
Rated Voltage [Vdc]	50					
Operation Voltage Range [Vdc]	45-60					
Max. Charge Power [W]	4000					
Max. Discharge Power [W]	3000					
Max. Charge Current [Adc]	90					
Max. Discharge Current [Adc]	70					
General						
Ingress protection	IP65					
Dimension (L×W×H) [mm]	295 × 287 × 489					
Weight [kg]	44.6					
Ambient temperature range [°C]	-20 ~ +55 (Derating above 35 °C)					

Model list and ratings				
Model	EF-ST5K-AC-UK-3000-1	EF-ST5K-AC-UK-2500-1	EF-ST5K-AC-UK-1500-1	EF-ST5K-AC-UK-800-1
PV terminal				
Max. Input Voltage [Vdc]	60			
Max. Input Current [Adc]	32 (per MPPT)			
Max. Isc [Adc]	40 (per MPPT)			
Max MPPT Input Power [W]	5000W (1250W per MPPT)			
Operation Voltage Range [Vdc]	15-60			
Grid terminal				
Normal Voltage [Vac]	230, L+N+PE			
Rated Frequency [Hz]	50/60			
Rated Output Current [Aac]	13.00	10.90	6.52	3.48
Rated Output Power [W]	3000	2500	1500	800
Max. Output Current [Aac]	13.00	10.90	6.52	3.48
Max. Output Power [W]	3000	2500	1500	800
Max. apparent Power [VA]	3000	2500	1500	800
Max. Input Current [Aac]	13.0			
Max. Input Power [W]	3000			
Power Factor	1(-0.8~+0.8)			
AC outlet				
Normal Voltage [Vac]	230, L+N+PE			
Rated Frequency [Hz]	50/60			
Rated Output Current [Aac]	13			
Max. Output Current [Aac]	13			
Max. Output Power [W]	3000			
Max. Input Current [Aac]	3.48			
Max. Input Power [W]	800			
Power Factor	1(-0.8~+0.8)			
Battery terminal				
Battery type	LiFePO4			
Battery Capacity	314Ah@16V=5024Wh			
Rated Voltage [Vdc]	50			
Operation Voltage Range [Vdc]	45-60			
Max. Charge Power [W]	4000			
Max. Discharge Power [W]	3000			
Max. Charge Current [Adc]	90			
Max. Discharge Current [Adc]	70			
General				
Ingress protection	IP65			
Dimension (L×W×H) [mm]	295 × 287 × 489			
Weight [kg]	44.6			
Ambient temperature range [°C]	-20 ~ +55 (Derating above 35 °C)			

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