

# 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-EU-3000-1, EF-ST5K-AC-UK-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" (Tuming Section), Zhenxing Street, Lixi Economic Union, Yuanzhou Town,  
Boluo County, Huizhou City, Guangdong, China

Requirements: EN 50549-1:2019  
EN 50549-1:2019/A1:2023  
EN 50549-10:2022  
Electricity Grid Code 2026 (type A)

## 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. 4958223.50.

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

Shanghai, 13 July 2026

Number: 4958223.01COC

DEKRA Testing and Certification (Shanghai) Ltd.



Rosa Zhou  
Certification Manager

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| Model list and ratings         |                                  |                              |                              |                             |                             |                             |
|--------------------------------|----------------------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|
| Model                          | EF-ST5K-<br>AC-EU-<br>3000-1     | EF-ST5K-<br>AC-EU-<br>2500-1 | EF-ST5K-<br>AC-EU-<br>1500-1 | EF-ST5K-<br>AC-EU-<br>800-1 | EF-ST5K-<br>AC-EU-<br>790-1 | EF-ST5K-<br>AC-EU-<br>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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