

Unit Certificate / Einheitenzertifikat

SGS

Certificate holder / Inhaber des Zertifikats

EcoFlow Inc.

Room 401, Plant #1, Runheng Industrial Zone, Fuyuan Road,
Zhancheng Community, Fuhai Street, Bao'an District, Shenzhen
City, Guangdong Province, P.R.China

Date of Original Issue / Datum der ursprünglichen Ausgabe : 2025-04-14
Date of Last Revision / Datum der letzten Überarbeitung : --
Date of Expiry / Verfallsdatum : 2028-04-13
Certificate number / Zertifikatsnummer : PCS-25-1064
Brand / Trademark / Warenzeichen :



 or 

It is certified that the product / Es ist zertifiziert, dass das Produkt

Models / Modelle : EF-EA-HD-U2K-800, EF-EA-HD-U2K-600,
EF-EA-HD-P2K-800, EF-EA-HD-P2K-600,
EF-EA-AC-P2K-800, EF-EA-AC-P2K-600
Type of generator / Generatortyp : EcoFlow STREAM Ultra / EcoFlow STREAM Pro /
EcoFlow STREAM AC Pro
Technical Data / Technische Daten : See appendix on page 3
Test Laboratory / Testlabor : SGS-CSTC Standards Technical Services Co., Ltd. Suzhou
Branch
Test Report (s) / Testbericht(e) : SUEE250300007051
Test Standard(s) / Prüfnorm(en) : VDE-AR-N 4105:2018-11 + Correction 1:2020

Is in compliance with the Network connection rule / In Übereinstimmung mit der Anwendungsregel:

VDE-AR-N-4105:2018-11 + Correction 1:2020-10 "Generators connected to the low-voltage distribution network / Erzeugungsanlagen am Niederspannungsnetz" Technical minimum requirements for connection and parallel operation of power generation systems connected to the low-voltage network / Technische Mindestanforderungen für Anschluss und Parallelbetrieb von Erzeugungsanlagen am Niederspannungsnetz

Based on tests requirements defined in / Basierend auf Tests Anforderungen definiert in:

VDE V 0124-100: 2020-06 "Network integration of power generation systems – Low voltage / Netzintegration von Erzeugungsanlagen" Test requirements for power generation units intended for connection to and parallel operation on the low-voltage network / Niederspannung – Prüfanforderungen an Erzeugungseinheiten, vorgesehen zum Anschluss und Parallelbetrieb am Niederspannungsnetz

This is to certify that the product has been tested and was found to comply with the requirements of the standard(s). / Hiermit wird bescheinigt, dass das Produkt getestet wurde und den Anforderungen der Norm(en) entspricht.

The above-mentioned product is certified according to the requirements of ISO/IEC 17065:2012. / Das oben genannte Produkt ist gemäß den Anforderungen der ISO/IEC 17065:2012 zertifiziert.

Christopher Hee
Certification Officer



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



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APPENDIX(ANHANG)

Certificate number / Zertifikatsnummer: PCS-25-1064

E.5 Requirements for the test report for power generation units E.5 Prüfbericht „Netzurückwirkungen“ für Erzeugungseinheiten mit einem Eingangsstrom > 75 A (*)					
Extract from test report for unit certificate "Determination of electrical properties" Auszug aus dem Prüfbericht für Erzeugungseinheiten Bestimmung der elektrischen Eigenschaften"			No. SUEE2503000070511		
System Manufacturer Anlagenhersteller:		Anker Innovations Limited			
Manufacturer indications: Herstellerangaben:		Type of system: Anlagenart:	EcoFlow STREAM Ultra / EcoFlow STREAM Pro / EcoFlow STREAM AC Pro		
		Max. active power P _E max max. Wirkleistung P _E max	EF-EA-HD-U2K-800		
			0.8 kW		
		Rated voltage: Bemessungsspannung	L/N/PE, 230 Vac		
Measuring period: <u>2024 Sept. 12 to 2024 Sept. 23</u>					
Flicker	Network impedance angle ψ_k Netzimpedanzwinkel ψ_k		32°		
	Initial flicker factor C _ψ Anlagenflickerbeiwert C _ψ		33%P _n	66%P _n	100%P _n
			2.76	2.74	2.70

Model: EF-EA-HD-U2K-800												
Harmonics Single-Phase Oberschwingungen												
Active power P/P _n [%] Wirkleistung P/P _n [%]	0	10	20	30	40	50	60	70	80	90	100	
Ordinal number Ordnungszahl	I(A)	I(A)										
2	0.006	0.005	0.005	0.029	0.040	0.041	0.045	0.042	0.039	0.039	0.046	
3	0.051	0.051	0.059	0.065	0.056	0.062	0.071	0.071	0.067	0.063	0.063	
4	0.005	0.004	0.009	0.024	0.020	0.014	0.018	0.014	0.012	0.010	0.016	
...												
40	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.002	0.003	0.003	

(*) the inverter outputs a current <75 A, thus Inter-harmonics and High Frequencies are not evaluated in accordance with the standard



APPENDIX(ANHANG)

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Full list of product references and nominal characteristics / Vollständige Liste der Produktreferenzen und nominalen Merkmale:

Rating specifications of EcoFlow STREAM Ultra / EcoFlow STREAM Pro / EcoFlow STREAM AC Pro						
Model	EF-EA-HD- U2K-800	EF-EA-HD- U2K-600	EF-EA-HD- P2K-800	EF-EA-HD- P2K-600	EF-EA-AC- P2K-800	EF-EA-AC- P2K-600
PV Terminal:						
Max. PV Input Voltage (V)	60			/		
Max. PV Input Current (A)	14			/		
Max. Isc PV (A)	20			/		
Max. MPPT Input Power (W)	2000		1500		/	
Number of MPP trackers	4		3		/	
Operation Voltage Range (V)	15 - 60			/		
Battery Info:						
Rated Voltage (V)	19.2					
Rated Capacity (kWh)	1.92					
Cell Chemistry	LiFePO ₄					
Grid Terminal:						
Rated Output Voltage (V)	230, L/N/PE					
Rated Output Power (W)	800	600	800	600	800	600
Rated Output Current (A)	3.48	2.61	3.48	2.61	3.48	2.61
Rated Frequency (Hz)	50					
Power factor (adjustable)	-0.8 ~ +0.8					
Max. Input Power (W)	2300					
Max. Input Current (A)	10					
Parallet Terminal:						
Max. Input / Output Power (W)	2300					
Max. Input / Output Current (A)	10					
Rated Output Voltage (V)	230, L/N/PE					
Power factor (adjustable)	-0.8 ~ +0.8					
Others:						
Ingress protection (IP)	IP65					
Protective class	Class I					
Operating / Storage Temperature (°C)	-20°C to +55°C, with derating above 35°C					
Cooling Method	Natural Convection					
Inverter Isolation	Isolated					
Overvoltage category	II (DC), III (AC)					
Dimensions (W*D*H)	283*248*459 mm					
Weight (kg)	23.1		23.0			
Operating Altitude (m)	≤ 4000					
Topology	Transformer					

