

Certificate of Conformity (COC)



Certificate holder / Titolare del certificato : EcoFlow Inc.
Room 401, Plant #1, Runheng Industrial Zone, Fuyuan Road, Zhancheng
Community, Fuhai Street, Bao'an, Shenzhen, Guangdong, China

Date of Original Issue / : 2024-11-26
Data di emissione originale

Date of Last Revision / : --
Data dell'ultima revisione

Date of Expiry / Data di scadenza : 2027-11-25

Certificate Number / Numero di certificato : PCS-24-1175



Brand/ Trademark / Marchio :



Type of generating unit / Tipologia di apparat :

Interface device / <i>Dispositivo di interfaccia</i>	Interconnection protectiondevice / <i>Protezione di</i> <i>interfaccia</i>	Static Power Converter / Dispositivo <i>di conversione statica</i>	Rotatory Power Converter / Dispositivo <i>di generazione rotante</i>
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Models / Modelli : : EF HD-P3-6K0-S1, EF HD-P3-8K0-S1, EF HD-P3-10K-S1, EF HD-P3-12K-S1

Technical Data: / Dati Tecnici: : See appendix on page 2

Test Laboratory / Laboratorio di prova: : SGS-CSTC Standards Technical Services Co., Ltd. Suzhou Branch

Testing Report(s) / Rapporto/i di prova: : SUEE241100011451

Test Standard(s) / Standard/i di prova :

CEI 0-21:2022-03+V1:2022-11 "Reference technical rules for the connection of active and passive users to the LV electrical Utilities
Allegato BBis /

CEI 0-21:2022-03+V1:2022-11 "Regola tecnica di riferimento per la connessione di Utenti attivi e passivi alla rete BT delle imprese
distributrici di energia elettrica", **Allegato BBis.**

Having assessed tests reports issued by laboratories accredited under the requirements of the ISO / IEC 17025, / *Avendo valutato i rapporti di prova rilasciati da laboratori accreditati secondo i requisiti della norma ISO / IEC 17025*

This is to certify that the product has been tested and was found to comply with the requirements of the standard(s). / *La presente attesta che il prodotto è stato testato e risulta conforme ai requisiti dello standard (s).*

The above-mentioned product is certified according to the requirements of ISO/IEC 17065:2012. / *Il suddetto prodotto è certificato secondo i requisiti di ISO / IEC 17065: 2012.*

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



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	EF HD-P3-6K0-S1	EF HD-P3-8K0-S1	EF HD-P3-10K-S1	EF HD-P3-12K-S1
PV Input				
Max. Input Power (W)	10000	12000	14000	16000
Max. Input Voltage (V)	1000Vdc			
MPPT Operating Voltage Range (V)	200-850Vdc			
Nominal Input Voltage (V)	600			
Max. Input Current per MPPT (A)	16			
Max. Short Circuit Current per MPPT (A)	24			
Number of Strings per MPPT	1			
Number of MPP Trackers	2			
Battery Input				
Battery Type	Li-Ion			
Nominal Battery Voltage (V)	800			
Maximum Charging Power (W)	6000	8000	10000	12000
Maximum Discharging Power (W)	6000	8000	10000	12000
Max. Continuous Charging Current (A)	12.5	12.5	12.5	15.0
Max. Continuous Discharging Current (A)	12.5	12.5	12.5	15.0
Maximum Battery Capacity (kWh)	45.9			
AC Input/ Output (On-grid)				
Nominal Apparent Power Output to Utility Grid (VA)	6000	8000	10000	12000
Max. Apparent Power Output to Utility Grid (VA)	6000	8000	10000	12000
Nominal Output Voltage (V)	230Vac/400Vac, 3L/N/PE			
Nominal AC Grid Frequency (Hz)	50/60			
Rated Output Current (A)	8.7	11.5	14.4	17.4
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)			
Max. Total Harmonic Distortion	<3%			
AC Output Data (Back-up)				
Back-up Nominal Output Power (W)	6000	8000	10000	12000
Max. Output Apparent Power (VA)	7200@1s	9600@1s	12000@1s	14400@1s
Nominal Output Current (A)	8.7	11.5	14.4	17.4
Max. Output Current (A)	10.4@1s	13.9@1s	17.4@1s	20.9@1s
Nominal Output Voltage (V)	230Vac/400Vac			
Nominal Output Frequency (Hz)	50/60			
Output THDv (@Linear Load)	<3%			
Operating Temperature Range (°C)	-20°C~50°C			
Weight (kg)	29.6 kg			
Maximum operating altitude	3000m			
Dimension (W×H×D mm)	588×175×380 (without trim cover), 588×175×455 (with trim cover)			
Ingress Protection Rating	IP65			



APPENDIX / APPENDICE

Certificate Number / Numero di certificato : PCS-24-1175

Battery model	EF BD-5.1-S1
Manufacturer information	EcoFlow Inc.
Battery type	Li-Ion
Nominal capacity	5120 Wh
Nominal capacity (Vdc)	800 V
Input/ Output Current (A)	3.3 / 4.4A
Note: All tests were conducted on Battery module: EF BD-5.1-S1	



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