

Certificate of Conformity (COC)



Certificate holder / Titolare del certificato : EcoFlow Inc.
RM 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 / : 2025-04-26
Data di emissione originale

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

Date of Expiry / Data di scadenza : 2028-04-25

Certificate Number / Numero di certificato : PCS-25-1088



Brand/ Trademark / Marchio :  or 

Type of generating unit / Tipologia di apparat :

Interface device / Dispositivo di interfaccia	Interconnection protectiondevice / Protezione di interfaccia	Static Power Converter / Dispositivo di conversionestatica	Rotatory Power Converter /Dispositivo di generazione rotante
--	X	X	--

Models / Modelli : : EF HD-P3-29K9-S1, EF HD-P3-25K0-S1, EF HD-P3-20K0-S1,
EF HD-P3-15K0-S1

Technical Data: / Dati Tecnici: : See appendix on page 2 and page 3

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

Testing Report(s) / Rapporto/i di prova: : SUEE250400010852

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

CEI 0-21:2022-03+V1:2022-11+V2:2024-01 "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+V2:2024-01** "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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Model	EF HD-P3-29K9-S1	EF HD-P3-25K0-S1	EF HD-P3-20K0-S1	EF HD-P3-15K0-S1
Input:				
Vmax PV (Vdc)	1000			
Start-up Voltage (Vdc)	160			
MPPT Voltage Range (Vdc)	200-850			
Isc PV (absolute Max.) (A)	PV1 19/19, PV2/3 24/24			
Number of MPP trackers	3			
Max. PV input current (A)	PV1 16/16, PV2/3 16/16			
Battery (charge / discharge):				
Battery Nominal Voltage (V)	800			
Max Battery Voltage (V)	960			
Max. Current (A)	40.0	33.3	26.6	20.0
AC Input (Grid Side):				
Normal AC Voltage (Vac)	400/230, 3L/N/PE			
Frequency (Hz)	50			
Max. input current (A)	63.0			
Power factor(adjustable)	-0.8 ~ +0.8			
AC Output (Grid Side)				
Normal AC Voltage (Vac)	400/230, 3L/N/PE			
Frequency (Hz)	50			
Rated output Current (A)	43.3	36.2	29.0	21.7
Rated apparent output Power (VA)	29900	25000	20000	15000
Max. apparent output Power (VA)	29900	25000	20000	15000
Power factor(adjustable)	-0.8 ~ +0.8			
AC Output (Back-up):				
Normal Voltage (Vac)	3L/N/PE 400/230			
Frequency (Hz)	50			
Rated output Current (A)	43.3	36.2	29.0	21.7
Max. output Current (Off-Grid) (A)	52.0@1s	43.4@1s	34.8@1s	26.0@1s
Normal apparent output Power (VA)	29900	25000	20000	15000
Max. apparent output Power (VA)	35880@1s	30000@1s	24000@1s	18000@1s
Others:				
Ingress protection (IP)	IP65			
Protective class	Class I			
Temperature (°C)	-20°C to +50°C			
Cooling Method	Intelligent air cooling			
Inverter Isolation	Non-isolated			
Overvoltage category	II (PV), III (Mains)			
Dimensions (W*D*H)	636*235*498mm (without trim cover)			
Weight	41.0 kg			
Altitude	3000m			
Topology	Transformerless			



APPENDIX / APPENDICE

Certificate Number / Numero di certificato : PCS-25-1088

Battery model	EF BD-5.1-S1
Manufacturer information	EcoFlow Inc.
Battery type	Li-Ion
Nominal capacity	5.1 kWh
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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