

VERIFICATION OF COMPLIANCE

No.: LVD GZES2310017885PV


Applicant: EcoFlow Inc.
1st Floor, Building 1, Plant E, Jiehe Industrial City, Shuitian
Community, Shiyao Street, Bao'an District, Shenzhen, Guangdong,
China

Manufacturer: EcoFlow Inc.
1st Floor, Building 1, Plant E, Jiehe Industrial City, Shuitian
Community, Shiyao Street, Bao'an District, Shenzhen, Guangdong,
China

Product Name: EcoFlow PowerOcean PV Storage Converter

Product Description: PV Storage Converter Unit used in PV system

Model No.: EF PD-5-S1

Trade Mark: 

Rating: Refer to page 2

Intended Use: PV System

Protection against Electric Shock: Class I

Additional Information (if any): IP 65
Operation temperature range: -20 to +50 °C

Sufficient samples of the product have been tested and found to be in conformity with

Test Standard: EN 62109-1:2010

as shown in the

Test Report Number(s): GZES231001788501

This Verification of Compliance has been granted to the applicant based on the results of tests, performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant harmonized standards under the Low Voltage Directive 2014/35/EU. The CE marking as shown below can be affixed, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives. The affixing of the CE marking presumes in addition that the conditions in annexes III and IV of the Directive are fulfilled.


David Guo
Senior Technical Manager
SGS-CSTC



2023-10-31

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Other information added :

Ratings

| | |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------|
| Model Number | EF PD-5-S1 |
| DC Input (PV) | |
| Overvoltage Category (OVC) | Category II |
| Max. Input Voltage | 1000V |
| Operating Voltage Range | 150V-800V |
| Max. Input Current | 20A/20A |
| Max. Short Circuit Current per MPPT | 21A/21A |
| DC Output (Inverter side) | |
| Max. Output Voltage | 1000V |
| Operating Output Voltage Range | 150V-800V |
| Max. Output Current | 20A/20A |
| Battery Port | |
| Battery Discharging Voltage Range | 800V-900V |
| Max. Discharging Current | 6.5A |
| Max. Discharging Power | 5.2kW* |
| Battery Charging Voltage Range | 800V-900V |
| Max. Charging Current | 6.0A |
| Max. Charging Power | 4.8kW* |
| *The value of maximum discharging power and maximum charging power are measured with 3 battery packs installed. | |
| General | |
| Converter Dimension | 680mm*201mm*230mm |
| Cooling Method | Natural convection |
| Operating Altitude | ≤3000m |
| Converter Weight | 18.5±0.5kg |
| Operating Temperature | -20°C to 50°C |
| IP Rating | IP65 |
| Battery information (accessories) | |
| Battery name | EcoFlow PowerOcean LFP Battery |
| Battery Type | Rechargeable Li-ion Battery Pack |
| Battery Model | EF BD-5.1-S1 |
| Nominal Voltage | 800V dc |
| Rated Capacity | 5.1kWh |
| Input | 720-960V 3.3A 2.5kW MAX |
| Output | 720-960V 4.4A 3.3kW MAX |

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