

VERIFICATION OF COMPLIANCE

No.: GZES2310017885PV

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

Manufacturer: EcoFlow Inc.
1st Floor, Building 1, Plant E, Jiehe Industrial City, Shuitian
Community, Shiyuan 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: IEC 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 specific standards.


David Guo
Senior Technical Manager
SGS-CSTC



2023-10-31

Copyright of this verification is owned by SGS-CSTC Standards Technical Services Co., Ltd. and may not be reproduced other than in full and with the prior approval of the General Manager. This verification is subjected to the governance of the General Conditions of Services which can be accessible at <https://www.sgs.com/en/terms-and-conditions>
Member of SGS Group (Société Générale de Surveillance)

No.:

GZES2310017885PV

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

David Guo
Senior Technical Manager
SGS-CSTC



2023-10-31

Copyright of this verification is owned by SGS-CSTC Standards Technical Services Co., Ltd. and may not be reproduced other than in full and with the prior approval of the General Manager. This verification is subjected to the governance of the General Conditions of Services which can be accessible at <https://www.sgs.com/en/terms-and-conditions>

Member of SGS Group (Société Générale de Surveillance)