

Declaration of Conformity for FLEXmax 100 Charge Controllers

Purpose

The intent of this document is to specify that the OutBack models listed in the Scope below conform to the following standards for PV charge controllers.

Scope

OutBack models covered by this Declaration of Conformity include the following.

- FM100-300VDC-01
- FM100-300VDC-AFCI



IMPORTANT:

This Declaration of Conformity covers only the models shown above. It does not cover any other related products, including previous FLEXmax 100 controllers.

Listings

This product carries a listing report by ETL. It is listed to the following standards:

- UL1741 — Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources — Issue: 2010/1/28 Ed: 2 with revisions through 2018/2/15
- CSA C22.2 No. 107.1-16 — Power Conversion Equipment — Issue: 2016/06/01 Ed:4

Directives

This product meets the following directives.

- RoHS: Directive 2011/65/EU — “*The restriction of the use of certain substances in electrical and electronic equipment*”
- Low Voltage Directive: 2006/95/EC — “*On electrical equipment designed for use within certain voltage limits*”
- Electromagnetic Compatibility Directive: 2004/108/EC — “*On electromagnetic compatibility*”

Certifications

This product is certified to the following standards:

- IEC 62109-1:2010 — Safety of Power Converters for use in Photovoltaic Systems (2010)

Compliance

This product complies with the following standards:

- IEC 61000-6-1 (EMC Standard: Immunity for Residential, Commercial, and Light-Industrial Environments)



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- IEC 61000-6-3: 2007; also CISPR 22: 2008 Class A; also EN 55022 (EMC Standard: Emissions for Residential, Commercial, and Light-Industrial Environments)
- FCC Part 15.109(G): 2012 Class A

FCC Information to the User

This equipment has been tested and found to comply with the limits for a Class A digital device when powered by a DC source, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- ~ Reorient or relocate the receiving antenna.
- ~ Increase the separation between the equipment and the receiver.
- ~ Consult the dealer or an experienced radio/TV technician for help.

I hereby certify that the equipment named above has been designed to comply with the relevant sections of the above referenced specifications. The unit complies with all applicable requirements.



Brandon Provalenko
Vice President
OutBack Power
Date: June 19, 2019

Contact Information

Address: Corporate Headquarters
17825 – 59th Avenue N.E.
Suite B
Arlington, WA 98223 USA

Website: www.outbackpower.com

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