

Declaration about the use of RCD devices for EcoFlow Hybrid Inverter

Hereby confirms, that the inverters:

Power Ocean Three phase: EF HD-P3-6K0-S1, EF HD-P3-8K0-S1, EF HD-P3-10K0-S1, EF HD-P3-12K0-S1;

Power Ocean Single phase: EF HD-P1-3K-S1, EF HD-P1-3.68K-S1, EF HD-P1-4.6K-S1, EF HD-P1-5K-S1, EF HD-P1-6K-S1;

Power Ocean Plus Three phase: EF HD-P3-15K0-S1, EF HD-P3-20K0-S1, EFHD-P3-25K0-S1, EF HD-P3-29K9-S1;

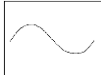
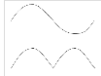

Ocean 2 Single phase: EF HD-P1-3K-S2, EF HD-P1-3.68K-S2, EF HD-P1-4.6K-S2, EF HD-P1-5K-S2, EF HD-P1-6K-S2;

Ocean 2 Plus Single phase: EF HD-P1-6K0-S2, EF HD-P1-6K0-S2F, EF HD-P1-8K0-S2, EF HD-P1-8K0-S2F, EF HD-P1-8K0-S2A, EF HD-P1-9K9-S2A, EF HD-P1-10K0-S2, EF HD-P1-10K0-S2F, EF HD-P1-12K0-S2, EF HD-P1-12K0-S2F, EF HD-P1-12K0-S2A;


Ocean 2 Three phase: EF HD-P3-15K-G2F, EF HD-P3-15K0-S2F, EF HD-P3-12K-G2F, EF HD-P3-10K-G2F, EF HD-P3-8K-G2F, EF HD-P3-6K-G2F, EF HD-P3-5K-G2F, EF HD-P3-4K-G2F, EF HD-P3-3K-G2F; EF HD-P3-15K-G2, EF HD-P3-12K-G2, EF HD-P3-10K-G2, EF HD-P3-8K-G2, EF HD-P3-6K-G2, EF HD-P3-5K-G2, EF HD-P3-4K-G2, EF HD-P3-3K-G2, EF HD-P3-12K0-S2, EF HD-P3-10K0-S2, EF HD-P3-8K0-S2, EF HD-P3-6K0-S2, EF HD-P3-5K0-S2, EF HD-P3-12K0-S2F, EF HD-P3-10K0-S2F, EF HD-P3-8K0-S2F, EF HD-P3-6K0-S2F, EF HD-P3-5K0-S2F

have already integrated RCMU (residual current monitoring unit) inside inverter, and comply with RCD Type B in according to the standards IEC 62109-2 and IEC/EN 62423. The inverters thus meet the requirements specified in IEC60364-7-712 that they are not able to feed in DC residual currents.

When the sudden change residual current exceeds the preset threshold 30 mA, the inverter shall disconnect within the time limit protect against possible electric shock. This value is set according to clause 4.8.3.5 in IEC 62109-2: Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters.

RCD Type	Symbols	Sensitivity to residual current	Standards
AC		a.c. current sensitive	IEC/EN 61008 IEC/EN 61009
A		a.c. current sensitive and pulse current sensitive	IEC/EN 61008 IEC/EN 61009
F		a.c. current sensitive and pulse current sensitive	IEC/EN 62443

ECOFLOW

B		universal current sensitive	IEC/EN 62443 IEC/TR 60755
---	---	-----------------------------	------------------------------

Due to the internal RCMU of the hybrid inverter, it is not necessary for additional RCD protection in grid port unless otherwise specified.

An external RCD is required in some countries. The installer must check which type of RCD is required by the specific local electric codes. Installation of an RCD must always be conducted in accordance with local codes and standards. EcoFlow recommends the use of a type-A RCD. Unless a lower value is required by the specific local electric codes, EcoFlow suggests an RCD rating as below table.

Inverter Model	Recommended External Type A RCD Rating
Power Ocean Three phase: EF HD-P3-6K0-S1, EF HD-P3-8K0-S1, EF HD-P3-10K0-S1, EF HD-P3-12K0-S1; Power Ocean Single phase: EF HD-P1-3K-S1, EF HD-P1-3.68K-S1, EF HD-P1-4.6K-S1, EF HD-P1-5K-S1, EF HD-P1-6K-S1; Ocean 2 Single phase: EF HD-P1-3K-S2, EF HD-P1-3.68K-S2, EF HD-P1-4.6K-S2, EF HD-P1-5K-S2, EF HD-P1-6K-S2;	100mA
Power Ocean Plus Three phase: EF HD-P3-15K0-S1, EF HD-P3-20K0-S1, EFHD-P3-25K0-S1, EF HD-P3-29K9-S1; Ocean 2 Plus Single phase: EF HD-P1-6K0-S2, EF HD-P1-6K0-S2F, EF HD-P1-8K0-S2, EF HD-P1-8K0-S2F, EF HD-P1-8K0-S2A, EF HD-P1-9K9-S2A, EF HD-P1-10K0-S2, EF HD-P1-10K0-S2F, EF HD-P1-12K0-S2, EF HD-P1-12K0-S2F, EF HD-P1-12K0-S2A; Ocean 2 Three phase: EF HD-P3-15K-G2F, EF HD-P3-15K0-S2F, EF HD-P3-12K-G2F, EF HD-P3-10K-G2F, EF HD-P3-8K-G2F, EF HD-P3-6K-G2F, EF HD-P3-5K-G2F, EF HD-P3-4K-G2F, EF HD-P3-3K-G2F; EF HD-P3-15K-G2, EF HD-P3-12K-G2, EF HD-P3-10K-G2, EF HD-P3-8K-G2, EF HD-P3-6K-G2, EF HD-P3-5K-G2, EF HD-P3-4K-G2, EF HD-P3-3K-G2, EF HD-P3-12K0-S2, EF HD-P3-10K0-S2, EF HD-P3-8K0-S2, EF	300mA



HD-P3-6K0-S2, EF HD-P3-5K0-S2, EF HD-P3-12K0-S2F, EF HD-P3-10K0-S2F, EF HD-P3-8K0-S2F, EF HD-P3-6K0-S2F, EF HD-P3-5K0-S2F	
---	--

Ray Zhao

Compliance Engineer
On behalf of EcoFlow Inc.
April 21, 2026