

DECLARATION OF CONFORMANCE

We, **Hoymiles Power Electronics Inc.**, No.18 Kangjing Road, Hangzhou 310015, China, declare under our sole responsibility that the products

PRODUCT: PV Microinverter
MODEL: HMS-2000-4T, HMS-1800-4T, HMS-1600-4T

to which this declaration relates, are equipped with the protection functions shown as below.

Abnormal Grid Protection

In the gridprofile of Hoymiles microinverters, there are several modules that can protect the microinverters or make the grid more stable when the utility grid is unstable, including the "H/LVRT", "H/LFRT", "Islanding Detection", "Reconnection", "Ramp Rates", "Frequency Watt", "Volt Watt", "Volt Var", "Specified Power Factor", "Active Power Control" and "Reactive Power Control". More details can be found in the appendix.

Ground-Fault Protection

Hoymiles microinverter provides an internal ground-fault protection as required in NEC 690.41. The microinverter will stop producing power if a ground fault is detected.

Over Temperature Protection

Hoymiles microinverter will decrease the output power when the internal temperature is higher than 85 degree and will be shut down when the internal temperature exceeds 90 degree.

Reverse Polarity Protection

The input DC connectors of Hoymiles microinverter cannot be connected reversely due to the female and male connectors.

6000V Surge Protection

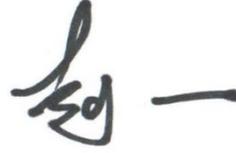
Hoymiles microinverter includes an internal surge suppression circuit that protects the microinverters from utility voltage surges. According to the CSA Group's technical judgement and surge withstand performance test, Hoymiles microinverters can withstand 6000V voltage wave. Usually, this surge suppression circuit is enough, however, if a large enough surge occurs, an additional surge protection circuit is still needed to protect the microinverters.

IP67 Protection

Hoymiles microinverter is tested to meet the IP67 protection requirements according to the standard IEC 60529.

This Declaration of Conformity is not valid any longer, in case, without any written authorization by Hoymiles Power Electronics Inc.:

- The product is modified, supplemented or changed in any other way.
- The product is used or installed improperly.



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Hangzhou, China

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