

DECLARATION OF HF ISOLATION TRANSFORMER

According to the section 712.530.3.4 of the regulation NEN 1010:2015, where an earth leakage protection device is used for the protection of the PV-AC supply chain, this device must be of type B in accordance with NEN-EN-IEC 62423, unless:

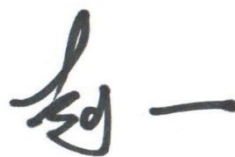
- the inverter provides at least a single separation between the AC side and the DC side,
- the installation provides at least a single separation between the inverter and the earth leakage protection device by means of separate windings of a transformer or
- according to a manufacturer's declaration, the inverter does not require a type B residual-current device.

All of the Hoymiles Microinverters use the galvanically isolated high-frequency transformer between the DC inputs and AC output. With this kind of reinforced isolation transformer, Hoymiles microinverters can pass the 6000V impulse voltage test and 3000V dielectric strength test, between the DC and AC circuits.

Therefore, if Hoymiles microinverters are installed properly, it is not mandatory to use a Type B earth leakage protection device.

This declaration covers all the models shown as below, including the HM series, HMS series and HMT series.

Series	Models
HM	HM-1500, HM-1200, HM-800, HM-700, HM-600, HM-400, HM-350, HM-300
HMS	HMS-2000-4T, HMS-1800-4T, HM-1600-4T HMS-2000C-4T, HMS-1800C-4T, HM-1600C-4T HMS-1000-2T, HMS-900-2T, HMS-800-2T, HMS-700-2T, HMS-600-2T HMS-500-1T, HMS-450-1T, HMS-400-1T, HMS-350-1T, HMS-300-1T
HMT	HMT-2250-6T, HMT-1800-6T



Yi Zhao, Vice President.
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Hangzhou, China

Hoymiles Power Electronics Inc.
No.18 Kangjing Road, Hangzhou 310015, China
Tel: +86 571 28056101
Fax: +86 571 28056137
<https://www.hoymiles.com/>