

DECLARATION OF INTEGRATED INTERFACE SWITCH

According to the section 6.4 of the regulation VDE-AR-N 4105:2018-11, for connecting the power generation system to the low-voltage network of the network operator or to the rest of the customer installation, an interface switch has to be used. And if at least one protection function is activated, this interface switch shall trip automatically for the safety of the network and system.

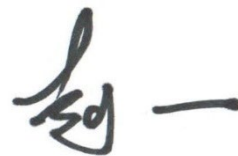
The switching devices of the individual power generation units (integrated interface switch) can be used as interface switches. And the integrated interface switch can also be used in conjunction with a central interface protection relay. This integrated interface switch can be power relay, contactor, mechanical circuit breaker and so on, which can ensure galvanic shutdown.

And a single fault must not lead to the loss of the protective function of the interface switch, so at least two integrated interface switches are needed.

All of the Hoymiles Microinverters use the galvanically isolated high-frequency transformer between the DC inputs and AC output and the power relay on the AC side, which can comply with the requirements of the regulation shown as above.

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-2000W-4T, HMS-1800W-4T, HM-1600W-4T HMS-1000-2T, HMS-900-2T, HMS-800-2T, HMS-700-2T, HMS-600-2T HMS-1000W-2T, HMS-900W-2T, HMS-800W-2T, HMS-700W-2T, HMS-600W-2T HMS-500-1T, HMS-450-1T, HMS-400-1T, HMS-350-1T, HMS-300-1T HMS-500W-1T, HMS-450W-1T, HMS-400W-1T, HMS-350W-1T, HMS-300W-1T |
| HMT | HMT-2250-6T, HMT-1800-6T HMT-2000-4T, HMT-1800-4T, HMT-1600-4T |



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