

DECLARATION OF CONFORMANCE

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

PRODUCT: **Microinverter**
MODELS: **HM-300, HM-350, HM-400, HM-600, HM-700, HM-800, HM-1200, HM-1500**

to which this declaration relates, fulfill the requirements defined for Type A power generating units in the Commission Regulation (EU) 2016/631 – NC RfG and standard EN 50549-1:2019, NEN-EN50549-1:2019.

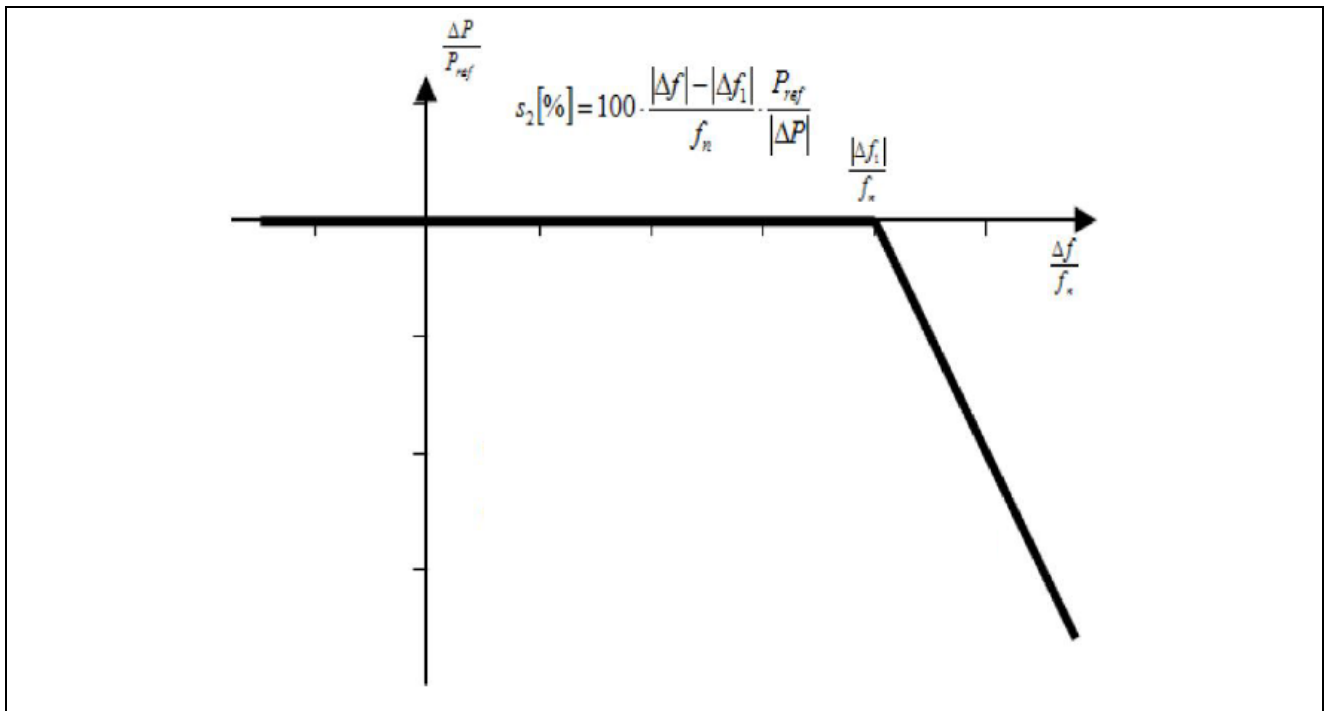
The grid parameters in the following tables are preset in our microinverters for Netherland grid.

Response to abnormal voltages	
	Maximum trip time
U < 184V	1.5s
U > 253V	0.2s
Response to abnormal frequency	
F < 48Hz	0.5s
F > 51Hz	0.5s
Loss of mains	
Active islanding detection	5.0s

Reconnection time	
	value
Time to reconnect after a grid failure	60s

The LFSM-O mode, in which the generated active power decreases in response to an increase in frequency above a predefined threshold value, is active with the following default settings:

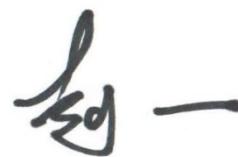
Parameters of LFSM-O mode	
frequency threshold of LFSM-O mode	50.2Hz
droop	5%



P_{ref} is the reference active power to which ΔP is related and may be specified differently for synchronous power-generating modules and power park modules. ΔP is the change in active power output from the power-generating module. f_n is the nominal frequency (50 Hz) in the network and Δf is the frequency deviation in the network. At overfrequencies where Δf is above Δf_1 , the power-generating module has to provide a negative active power output change according to the droop S2.

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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