

DECLARATION OF CONFORMANCE

We, **Hoy miles Converter Technology Co., Ltd.** 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

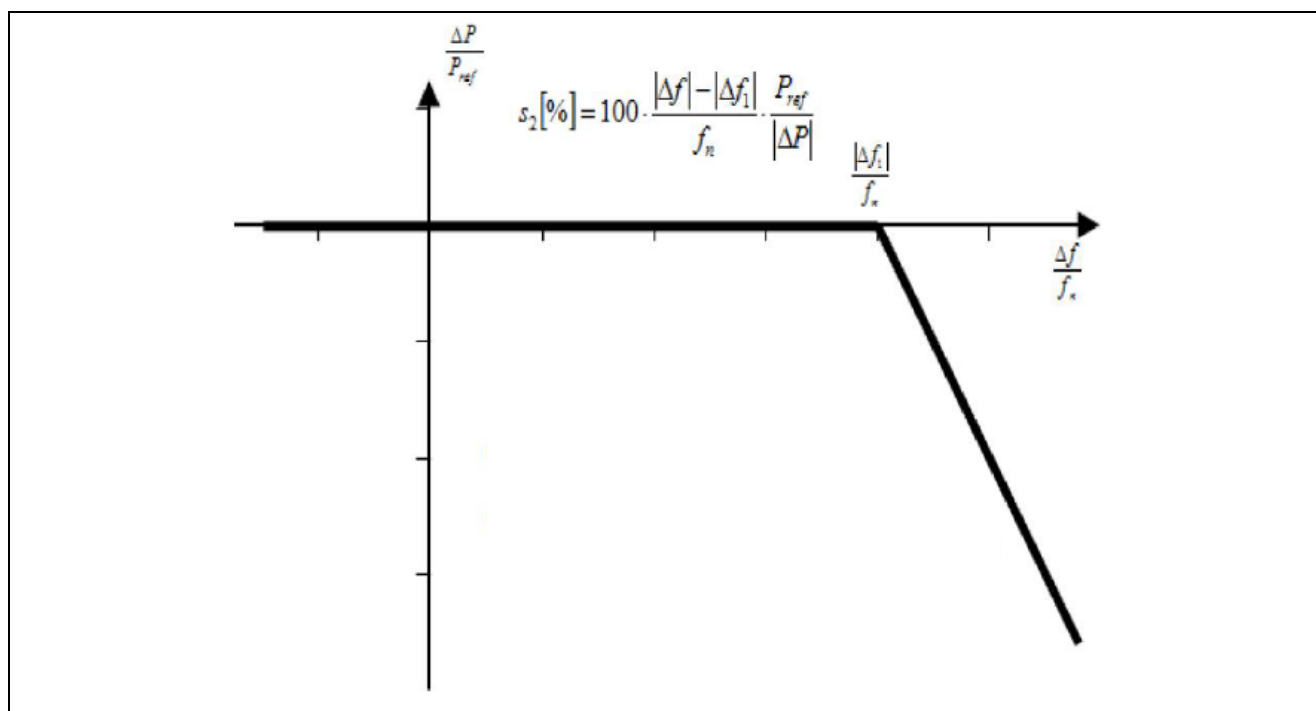
to which this declaration relates, fulfill the requirements defined for Type A power generating units in the Commission Regulation (EU) 2016/631 – NC RfG and standard EN 50549-1:2019. The grid parameters in the following tables are preset in our microinverters for Polish grid.

Response to abnormal voltages	
	Maximum trip time
$U < 195.5V$	1.5s
For the 10 minute average voltage, $U > 253V$	3.0s
$U > 264.5V$	0.2s
Response to abnormal frequency	
$F < 47.5Hz$	0.5s
$F > 52Hz$	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:

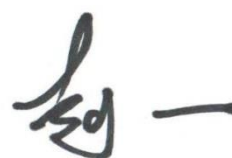
Parameters of LFSM-O mode	
frequency threshold of LFSM-O mode	50.2Hz
droop	5%



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 Converter Technology Co., Ltd.:

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



Yi Zhao, Vice President.
2020-08-26
Hangzhou, China

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