

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
MODELS: HMS-2000-4T, HMS-1800-4T, HMS-1600-4T
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

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 the standards for parallel connection of installation with distribution networks EN 50549-1:2019, NF EN50549-1:2019. The automatic disconnection device is an integral part of the microinverters, with a single-phase parallel coupling in the public mains supply.

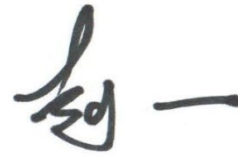
The settings of the interface protection are preset in our microinverters for French grid, as shown the following tables.

Settings of the interface protection:			
Parameter	Max. disconnection time	Min. operate time	Trip value
Over voltage (stage 1)	3s	-	230V + 10% (253V)
Over voltage (stage 2)	0.2s	0.1s	230V + 15% (264.5V)
Under voltage	1.5s	1.2s	230V - 15% (195.5V)
Over frequency	0.5s	0.3s	50Hz + 4% (52Hz)
Under Frequency	0.5s	0.3s	50Hz - 5% (47.5Hz)
Reconnection settings for voltage (normal operational startup)	$0.85V_n (195.5V) \leq V \leq 1.10V_n (253V)$		
Reconnection settings for frequency (normal operational startup)	$49.5\text{Hz} \leq f \leq 50.2\text{Hz}$		
Reconnection time (normal operational startup)	$\geq 60\text{s}$		
Reconnection settings for voltage (automatic reconnection after tripping)	$0.85V_n (195.5V) \leq V \leq 1.10V_n (253V)$		
Reconnection settings for frequency (automatic reconnection after tripping)	$49.5\text{Hz} \leq f \leq 50.2\text{Hz}$		
Reconnection time (automatic reconnection after tripping)	$\geq 60\text{s}$		
Active power gradient after reconnection	10% $P_{E_{max}}$ / per minute		
Active power delivery at under frequency	PV microinverter, no active power reduction		
Power response to over frequency (frequency / droop s)	50.2Hz / 5%		
Permanent DC-injection	0.5% of rated microinverter output current or 20mA		
Rate of change of frequency (ROCOF)	2Hz / s		

Loss of mains according to EN 62116 (LoM)	0.5s
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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.



Yi Zhao, Vice President.
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Hangzhou, China

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