

DECLARATION OF CONFORMANCE

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

PRODUCT: Hybrid Inverter
MODELS: HIT-20L-G3S, HIT-17L-G3S, HIT-15L-G3S, HIT-12L-G3S, HIT-10L-G3S,
HIT-8L-G3S, HIT-6L-G3S, HIT-5L-G3S

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, SFS EN50549-1:2019 (VJV:2018 Type A). The automatic disconnection device is an integral part of the storage inverter, with a single-phase parallel coupling in the public mains supply.

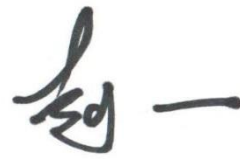
The settings of the interface protection are preset in our storage inverter for Finland grid, as shown the following tables.

Settings of the interface protection:		
Parameter	Max. disconnection time Min. operate time	Trip value
Over voltage (stage 1)	60s	230V + 11% (255.3V)
Over voltage (stage 2)	0.2s	230V + 15% (264.5V)
Under voltage	0.2s	230V - 15% (195.5V)
Over frequency	0.5s	50Hz + 2% (51Hz)
Under Frequency	0.5s	50Hz - 6% (47Hz)
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)	$49.5Hz \leq f \leq 50.1Hz$	
Reconnection time (normal operational startup)	$\geq 60s$	
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)	$49.5Hz \leq f \leq 50.2Hz$	
Reconnection time (automatic reconnection after tripping)	$\geq 60s$	
Active power gradient after reconnection	10% P_{Emax} / per minute	
Active power delivery at under frequency	Storage inverter, no active power reduction	
Power response to over frequency (frequency / droop s)	50.2Hz / 5%	
Permanent DC-injection	0.5% of rated storage inverter output current or 20mA	
Rate of change of frequency (ROCOF)	2Hz / s	

Loss of mains according to EN 62116 (LoM)	2.0s
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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

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