

IRELAND DECLARATION OF CONFORMITY

Hereby manufacturer, Suzhou Hypontech Co.,Ltd, confirms that the inverter models listed follow table

Model	HPS-3000L HPS-3000DL	HPS-3680 HPS-3680D	HPS-4000 HPS-4000D	HPS-5000 HPS-5000D	HPS-6000 HPS-6000D
Rated active power (W)	3000	3680	4000	5000	6000
Max. apparent power (VA)	3300	3680	4400	5000	6000
Rated active power is specified with rated operating conditions by manufacturer.					
Max. apparent power is the output power capability of a inverter, the inverter will not exceed this power at any operating conditions.					

Do fulfill the requirements defined for Type A power generating units defined in:

- General application requirements resulting from *the Commission Regulation (EU) 2016/631 (NC RfG)*
- Standard *EN 50549-1:2019* (HPS-3000L~5000D have the signed report by Dekra) and *CEI 0-21:2019* (HPS-3000L~6000D have the signed report by TUV SUD).

For Ireland, the safety type should be set to IE EN 50549-1 via the display of inverter, the following parameters are predefined in the safety type setup:

Voltage and frequency protection	Threshold (trip setting)	Operate time (Clearance time)
Under-voltage	207,0V	0,5s
Over-voltage	253,0V	0,5s
Under-frequency	47,0Hz	20s
Over-frequency	52,0Hz	0,5s
Islanding detection		
Active islanding detection		<5,0s
Starting to generate electrical power and Automatic reconnection after tripping		
Connection and reconnection time		300s
<ul style="list-style-type: none"> - When the frequency within the range of 49.8Hz to 50.2Hz and the voltage within the range of 207V to 253V, keeping delay five minutes, the inverter can automatic connect or reconnect. - Active power increase gradient is 10%Pn/min as the default setting. 		
Power response to overfrequency		
<p>The inverter will activate power response to overfrequency when the frequency reaches the frequency threshold $f_1=50,2\text{Hz}$ with a droop of 4%, the droop reference is Pref.</p> <p>Pref=PM, the actual AC output power at the instant when the frequency reaches the threshold f_1.</p>		

Note:

The declaration of conformity is issued under the sole responsibility of the manufacturer.

Without an explicit written confirmation by Suzhou Hypontech Co.,Ltd, this declaration of conformity is no longer valid if the product is modified, supplemented or changed in any other way and if components which are not part of the Hypontech accessory, are integrated in the product, as well as if the product is used or installed improperly.

Suzhou Hypontech Co.,Ltd

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