

## Declaration of Conformity

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

Model	HPK-1000	HPK-1500	HPK-2000	HPK-2500	HPK-3000
<b>Rated active power (W)</b>	1000	1500	2000	2500	3000
<b>Max. apparent power (VA)</b>	1100	1650	2200	2750	3300
<b>Rated active power</b> is specified with rated operating conditions by manufacturer.					
<b>Max. apparent power</b> 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*.

**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
<b>Islanding detection</b>		
Active islanding detection		<5,0s
<b>Starting to generate electrical power and Automatic reconnection after tripping</b>		
Connection and reconnection time		300s
<ul style="list-style-type: none"> <li>- 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.</li> <li>- Active power increase gradient is 10%Pn/min as the default setting.</li> </ul>		
<b>Power response to overfrequency</b>		
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.		
Pref=PM, the actual AC output power at the instant when the frequency reaches the threshold $f_1$ .		

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Without an explicit written confirmation by Suzhou Hypontech Co.,Ltd, this declaration of conformity is no longer valid if the product is modified, supplemented or changed in any other way and if components which are not part of the Hypontech accessory, are integrated in the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

*Jack Tu*

Product Manager

Date: 2020-11-24