



Ningbo Ginlong Technologies Co.,Ltd.

DECLARATION OF CONFORMITY

Hereby the manufacturer: Ningbo Ginlong Technologies Co., Ltd

Address: No.57 jintong Road,Scafront(Binhai)Industrial park,Xiangshan Dcmonstration Industrial Estate,Xiangshan,Ningbo,Zhejinag,315712,P.R.China.

Declares that the following inverters:

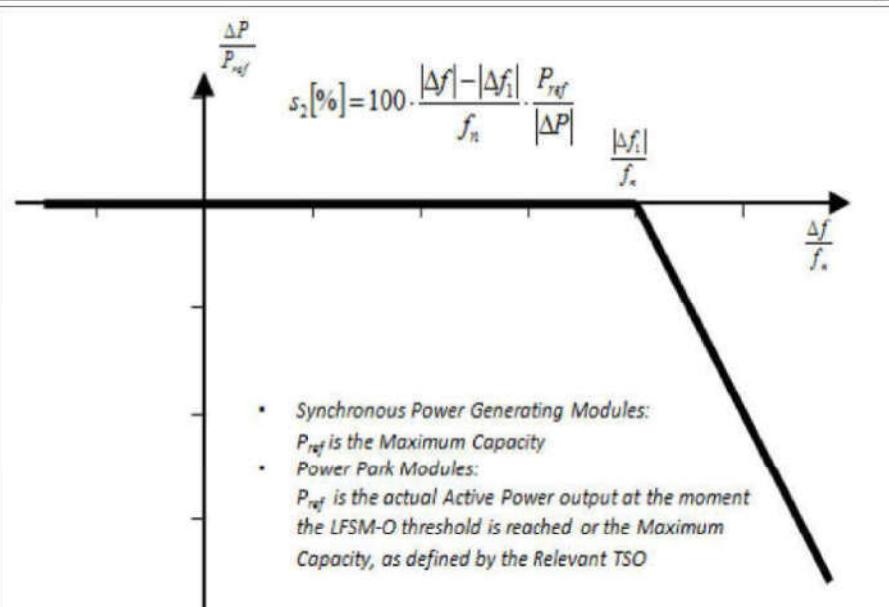
Model: Solis-3P3K-4G, Solis-3P4K-4G, Solis-3P5K-4G, Solis-3P6K-4G,
Solis-3P8K-4G, Solis-3P9K-4G, Solis-3P10K-4G, Solis-3P12K-4G
Solis-3P15K-4G, Solis-3P17K-4G, Solis-3P20K-4G

Fulfill the requirements defined for Type B power generating units defined in:
General application requirements resulting from the Commission Regulation (EU) 2016/631 - NC
RfG. standard EN 50549-1:2019.

If choosing grid standard 50549 PO, the following parameters are predefined as below:

Voltage and frequency protection	Value	Max. disconnection time
Lower AC voltage limit [U<]	195.5V	< 1.5 s
Upper AC voltage limit for the 10 minute average voltage value [U>]	253.0 V	< 3.0 s
Upper AC voltage limit [U>]	264.5 V	< 0.2 s
Lower AC frequency limit [f<]	47.5 Hz	< 0.5 s
Upper AC frequency limit [f>]	52 Hz	< 0.5 s
Loss of mains		
Active islanding detection	Active	<5.0 s
Time before reconnection		
Time to reconnect after a grid failure		60 s

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	50.2 Hz
Droop	5 %
 <p>$s_2[\%] = 100 \cdot \frac{ \Delta f - \Delta f_1 }{f_n} \cdot \frac{P_{ref}}{ \Delta P }$</p> <ul style="list-style-type: none"> <i>Synchronous Power Generating Modules:</i> P_{ref} is the Maximum Capacity <i>Power Park Modules:</i> P_{ref} is the actual Active Power output at the moment the LFSM-O threshold is reached or the Maximum Capacity, as defined by the Relevant TSO 	

Pref 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. fn 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.

The manufacturer declares that the frequency threshold can be changed in the range of 50.2 – 50.5 Hz, and the droop can be changed in the range of 2 % to 12 % in the professional Service Menu.

Manufacture Stamp

宁波锦浪新能源科技有限公司
NINGBO GINLONG TECHNOLOGIES CO., LTD.

Zhangkun

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