

DECLARATION OF EN50438 for Netherland

Manufacturer	Name	NINGBO GINLONG TECHNOLOGIES CO., LTD.
	Address	NO. 57 JINTONG ROAD, BINHAI INDUSTRIAL PARK, XIANGSHAN, NINGBO, ZHEJIANG, 315712, CHINA
Product	Product Name	GRID-TIE PV INVERTER
	Model	THREE PHASE INVERTER: 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, Solis-3P5K-4G-LV, Solis-3P10K-4G-LV
Applicable Standard	EN50438 : 2013 for Netherland	

Test result

Test details

Name and address of test house	Ginlong technical Research and develop laboratory
Telephone number	(+86) 574 6578 1607
Date of test	2018.03.20

Under-/Overfrequency tests

Parameter	Under frequency		Over frequency	
	Frequency	Time	Frequency	Time
Protection limit	47.5 Hz	0.2 s	51.5 Hz	0.2 s
Actual setting	47.5 Hz	0.1 s	51.5 Hz	0.1 s
Trip value (test result)	47.4 Hz	0.11 s	51.2 Hz	0.10 s

Under-/Overvoltage tests (single-stage protection)

Parameter	Under voltage		Over voltage	
	Voltage	Time	Voltage	Time
Protection limit	384 V	0.2 s	573 V	0.2 s

Actual setting	384 V	0.1 s	573 V	0.1 s
Trip value (test result)	383.5 V	0.11 s	574 V	0.12 s

LoM test

ROCOF (df/dt)	Neg. gradient		Pos. gradient	
Parameter	Min.	Time	Max	Time
Protection limit	-0.4 Hz/s	0.5 s	+0.4 Hz/s	0.5 s
Actual setting	-0.4 Hz/s	0.4 s	+0.4 Hz/s	0.4 s
Trip value (test result)	-0.4 Hz/s	0.38 s	+0.4 Hz/s	0.41 s

The product stated above have been achieved and processed to the fullness examination according to EN50438 : 2013 for Netherland.

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

Date and place of issue
Ningbo
2014-5-28

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Information:

All modification to should be confirmed by Ginlong, otherwise this declaration will no longer valid.