



<b>Product Certificate Number</b>	<b>20095-3-CER-E1</b>
<b>Applicant</b>	Vacon Ltd. Runsorintie 7. 65380. Vaasa, Finland
<b>Series</b>	NX series
<b>Types/ Models</b>	NXA XXXXX Air cooled NXA XXXXX Liquid cooled
	<b>Models:</b> See page 2
<b>Type of generating unit</b>	Grid converters
<b>Technical Data</b>	See pages 3, 4
<b>Network connection rule</b>	<b>IEC 62116:2014</b> Utility-interconnected photovoltaic inverters-test procedure of islanding preventing measures

Having assessed the test report number: 20095-3-TR performed by Certification Entity for Renewable Energies, SL. (EA Accredited Laboratory N° 1239/LE2396) based on the requirements of the EN ISO/IEC 17025:2005.

The above-mentioned generating unit complies with the requirements of the: **IEC 62116:2014** Utility-interconnected photovoltaic inverters-test procedure of islanding preventing measures

This certification is according the CERE internal process PET-CERE-09 Rev 15 based on the requirements of the EN ISO/IEC 17065:2012. For this certification process the conformity assessment activities were based on:

- Testing of production samples selected by CERE.
- Audit of quality system according ISO 9001 with certificate number: DK009881 issued by a certification body accredited according EN ISO/IEC 17021.
- Inspection of the manufacturing process.

This certificate cancels and supersedes the certificate number 20095-3-CER

Madrid, February 21, 2019. This certificate is valid until December 20, 2021

Miguel Martínez Lavin  
Certification Manager



**Models:**

<b>Grid converters</b>			
NXA XXXXX Air cooled		NXA XXXXX Liquid cooled	
NXA01685	NXA01256	NXA01685	NXA01706
NXA02055	NXA01446	NXA02055	NXA02086
NXA02615	NXA01706	NXA02615	NXA02616
NXA03855	NXA02616	NXA03005	NXA03256
NXA04605	NXA03256	NXA03855	NXA03856
NXA11505	NXA09206	NXA04605	NXA04166
NXA13005	NXA10306	NXA05205	NXA04606
		NXA05905	NXA05026
		NXA06505	NXA05906
		NXA07305	NXA06506
		NXA08205	NXA07506
		NXA09205	NXA08206
		NXA10305	NXA09206
		NXA11505	NXA10306
		NXA13705	NXA11806
		NXA16405	NXA13006
		NXA20605	NXA15006
		NXA23005	NXA17006

**Note:** The models can be used with application software: ARFIF106 and ARFIFF08



**Technical data**

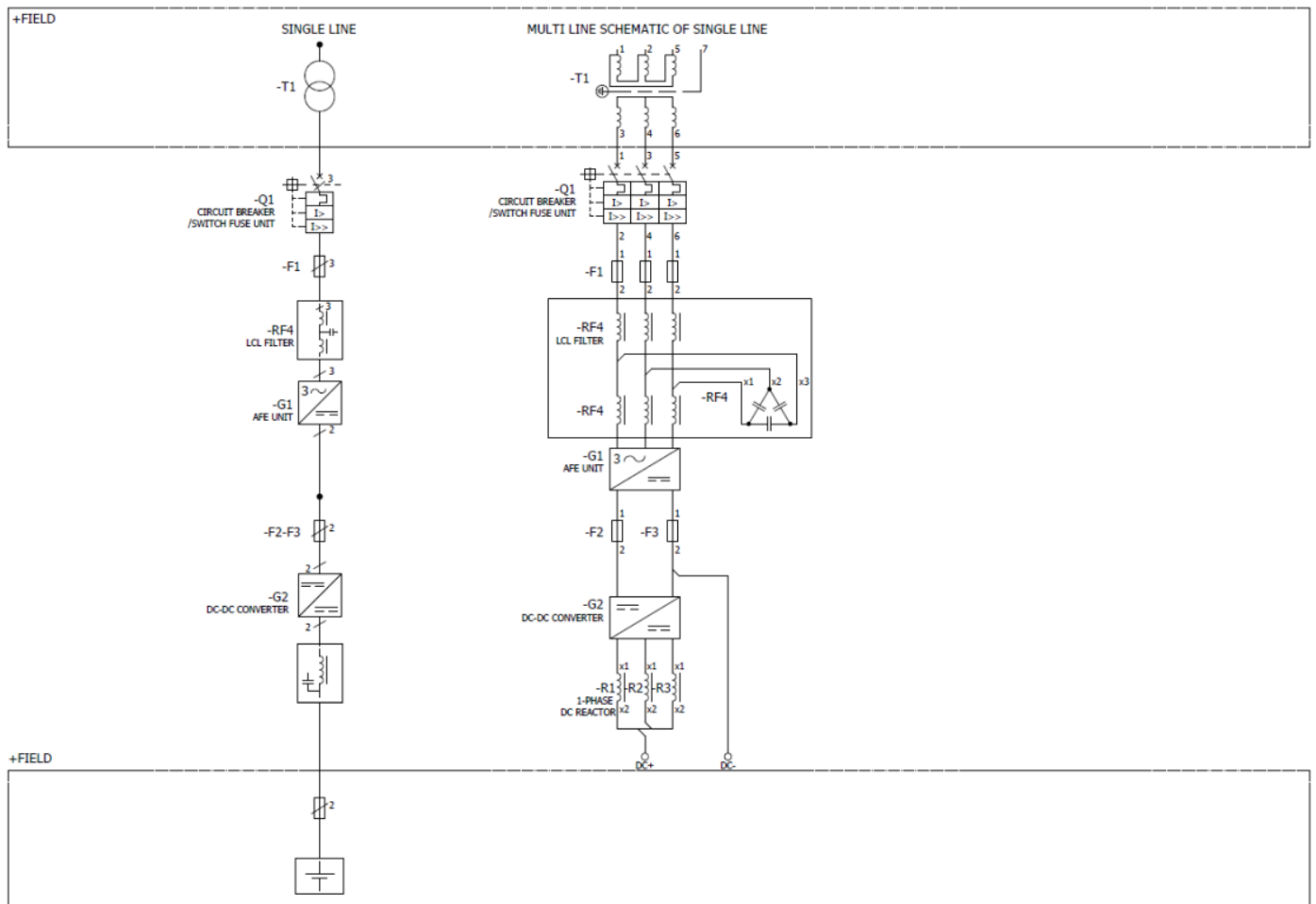
Grid Converters – Air cooled					
Grid converter module	Freme size	Apparent current @pf 1,0	Current Rating	AC Voltage range	Nominal AC Voltage
NXA01685	FI9	170A	140A	380-500V	400V
NXA02055	FI9	205A	170A	380-500V	400V
NXA02615	FI9	261A	205A	380-500V	400V
NXA03855	FI10	385A	300A	380-500V	400V
NXA04605	FI10	460A	385A	380-500V	400V
NXA11505	FI13	1150A	1030A	380-500V	400V
NXA13005	FI13	1300A	1150A	380-500V	400V
NXA01256	FI9	125A	100A	525-690V	600V
NXA01446	FI9	144A	125A	525-690V	600V
NXA01706	FI9	170A	144A	525-690V	600V
NXA02616	FI10	261A	208A	525-690V	600V
NXA03256	FI10	325A	261A	525-690V	600V
NXA09206	FI13	920A	820A	525-690V	600V
NXA10306	FI13	1030A	920A	525-690V	600V

Grid Converters – Liquid cooled					
Grid converter module	Freme size	Apparent current @pf 1,0	Current Rating	AC Voltage range	Nominal AC Voltage
NXA01685	CH5	168A	140A	380-500V	400V
NXA02055	CH5	205A	170A	380-500V	400V
NXA02615	CH5	261A	205A	380-500V	400V
NXA03005	CH61	300A	261A	380-500V	400V
NXA03855	CH61	385A	300A	380-500V	400V
NXA04605	CH62	460A	385A	380-500V	400V
NXA05205	CH62	520A	460A	380-500V	400V
NXA05905	CH62	590A	520A	380-500V	400V



<b>NXA06505</b>	CH62	650A	590A	380-500V	400V
<b>NXA07305</b>	CH62	730A	650A	380-500V	400V
<b>NXA08205</b>	CH63	820A	730A	380-500V	400V
<b>NXA09205</b>	CH63	920A	820A	380-500V	400V
<b>NXA10305</b>	CH63	1030A	920A	380-500V	400V
<b>NXA11505</b>	CH63	1150A	1030A	380-500V	400V
<b>NXA13705</b>	CH64	1370A	1150A	380-500V	400V
<b>NXA16405</b>	CH64	1640A	1370A	380-500V	400V
<b>NXA20605</b>	CH64	2060A	1640A	380-500V	400V
<b>NXA23005</b>	CH64	2300A	2060A	380-500V	400V
<b>NXA01706</b>	CH61	170A	144A	525-690V	600V
<b>NXA02086</b>	CH61	208A	170A	525-690V	600V
<b>NXA02616</b>	CH61	261A	208A	525-690V	600V
<b>NXA03256</b>	CH62	325A	261A	525-690V	600V
<b>NXA03856</b>	CH62	385A	325A	525-690V	600V
<b>NXA04166</b>	CH62	416A	325A	525-690V	600V
<b>NXA04606</b>	CH62	460A	385A	525-690V	600V
<b>NXA05026</b>	CH62	502A	460A	525-690V	600V
<b>NXA05906</b>	CH63	590A	502A	525-690V	600V
<b>NXA06506</b>	CH63	650A	590A	525-690V	600V
<b>NXA07506</b>	CH63	750A	650A	525-690V	600V
<b>NXA08206</b>	CH64	820A	750A	525-690V	600V
<b>NXA09206</b>	CH64	920A	820A	525-690V	600V
<b>NXA10306</b>	CH63	1030A	920A	525-690V	600V
<b>NXA11806</b>	CH64	1180A	1030A	525-690V	600V
<b>NXA13006</b>	CH64	1300A	1180A	525-690V	600V
<b>NXA15006</b>	CH64	1500A	1300A	525-690V	600V
<b>NXA17006</b>	CH64	1700A	1500A	525-690V	600V

## Electrical Diagram



The sample selected to test was representative of the production.  
The sample was selected in:

Vacon Oy Ltd  
Runsoritie 7  
65830. Vaasa, Finland

Sample Report Number:

20095-1-TM  
20095-2-TM

The inspection of manufacturing process was performed in:  
On 17<sup>th</sup> of December of 2018

Vacon Oy Ltd  
Runsoritie 7  
65830. Vaasa, Finland

Inspection Report Number:

20095-IF