



<b>Product Certificate Number</b>	<b>11505-4-CER-E1</b>
<b>Applicant</b>	Ingeteam Power Technology S.A. - Energy Avenida Ciudad De La Innovación, 13. 31621. Sarriguren. Navarra. SPAIN
<b>Series/</b>	INGECON SUN 3Play TL Series
<b>Model/</b>	INGECON SUN 100TL
<b>Type of generating unit</b>	Photovoltaic Inverter
<b>Technical Data</b>	<b>See page 2</b>
<b>Network connection rule</b>	<b>G59 Issue 3: 2013.</b> Recommendation for the connection of generating plant to the distribution systems of licensed distribution network operators.

Having assessed the test report number: 11505-4-TR performed by Certification Entity for Renewable Energies, S.L. (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: **G59 Issue 3: 2013.** Recommendation for the connection of generating plant to the distribution systems of licensed distribution network operators.

This certification is according the CERE internal process PET-CERE-09 Rev 17 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: 0. 04. 12231 issued by a certification body accredited according EN ISO/IEC 17021.
- Inspection of the manufacturing process.

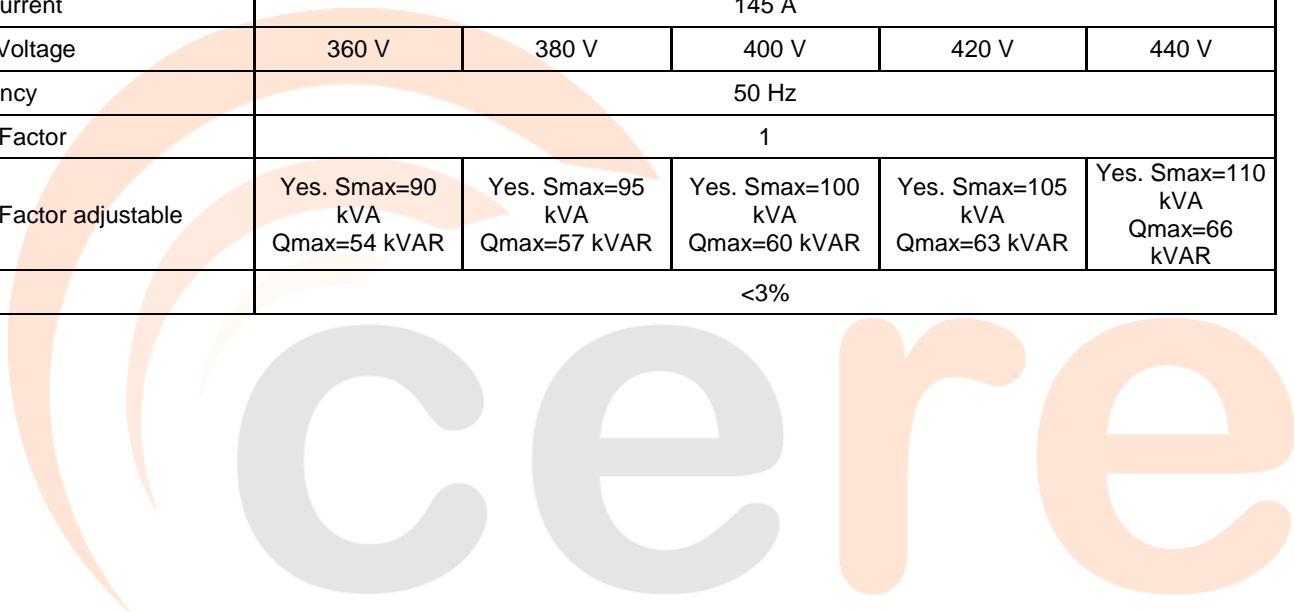
This certificate cancels and supersedes the certificate 11505-4-CER issued on September 20, 2017

Madrid, May 30, 2019. This certificate is valid until September 20, 2020

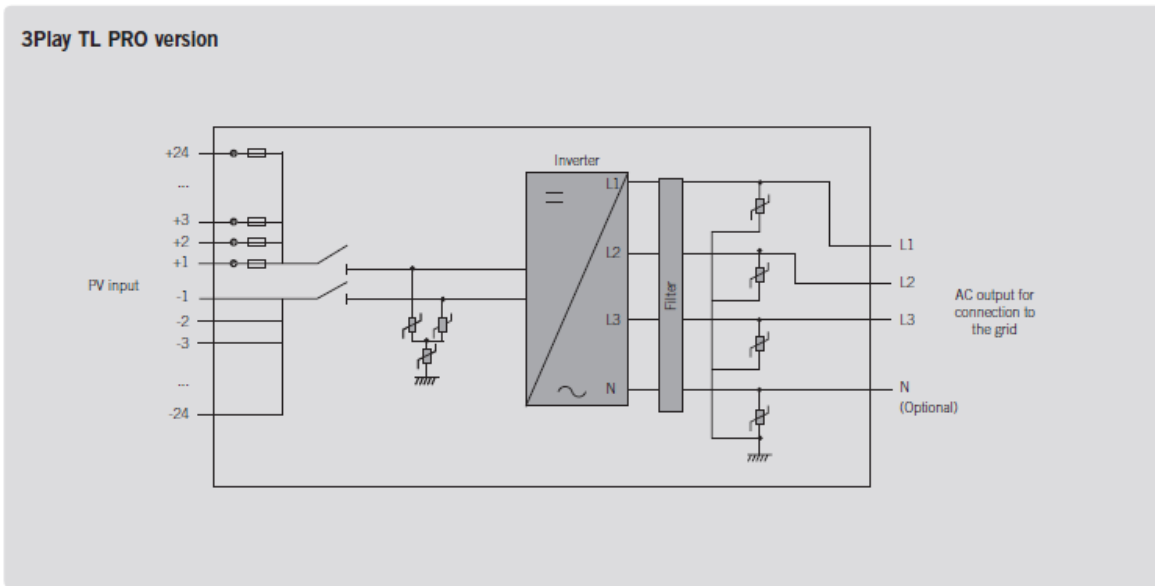
Miguel Martínez Lavín  
Certification Manager

**INGETEAM INGECON SUN 100TL**

<b>DC INPUT</b>					
Recommended PV-Power	92.7 - 160 kWp	97.9 - 160 kWp	103-160 kWp	108.2 - 160 kWp	113.3 - 160 kWp
Voltage range MPP	513 - 850 V	541.5 - 850 V	570 - 850 V	598.5 - 850 V	627 - 850 V
Maximum Voltage	1100 V				
Max. DC Current	185 A				
Max. DC short-circuit Current	240 A				
Inputs (STD / PRO)	1/24				
MPPT	1				
<b>AC OUTPUT</b>					
Rated Power @ rated Vac	90 kW	95 kW	100 kW	105 kW	110 kW
Max. temperature @ rated P	50°C				
Max. Current	145 A				
Rated Voltage	360 V	380 V	400 V	420 V	440 V
Frequency	50 Hz				
Power Factor	1				
Power Factor adjustable	Yes. Smax=90 kVA Qmax=54 kVAR	Yes. Smax=95 kVA Qmax=57 kVAR	Yes. Smax=100 kVA Qmax=60 kVAR	Yes. Smax=105 kVA Qmax=63 kVAR	Yes. Smax=110 kVA Qmax=66 kVAR
THD	<3%				



Electrical Diagram of INGETEAM INGECON SUN 100TL:



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

Ingeteam Power Technology S.A.  
Pol. Ind. El Juncanillo nave 1  
E-31293. Sesma. Navarra. SPAIN

Sample Report Number:

11505-1-TM

The inspection of manufacturing process was performed in:  
On 27<sup>th</sup> of June of 2017

Ingeteam Power Technology S.A.  
Pol. Ind. El Juncanillo nave 1  
E-31293. Sesma. Navarra. SPAIN

Inspection Report Number:

11505-IF