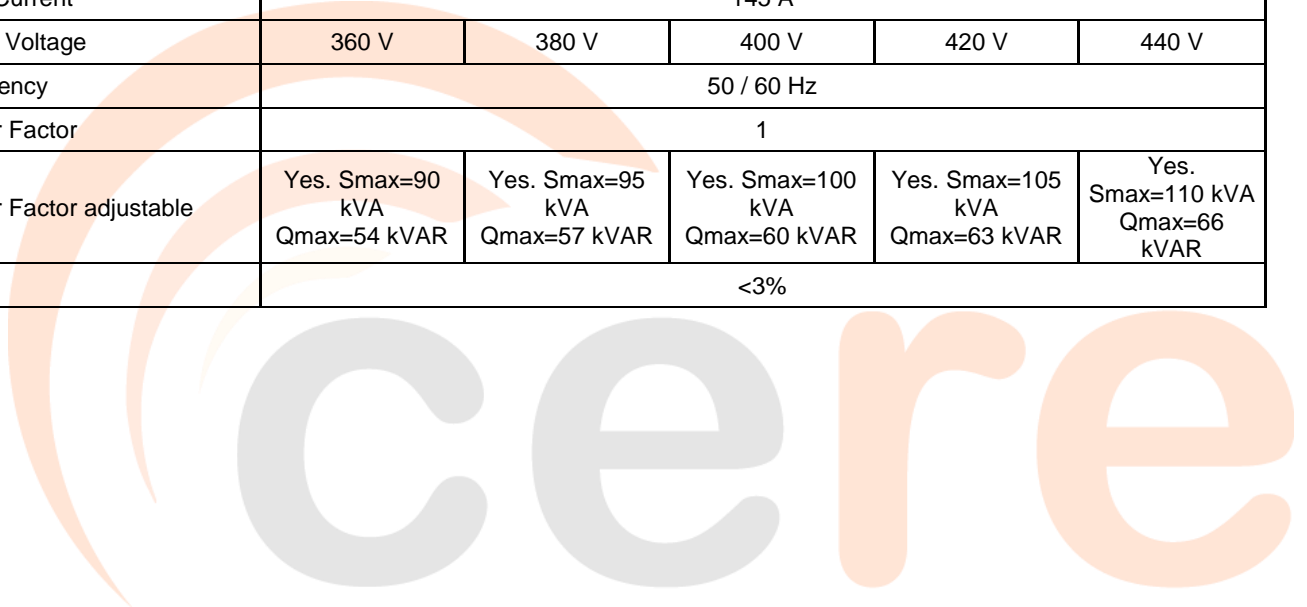




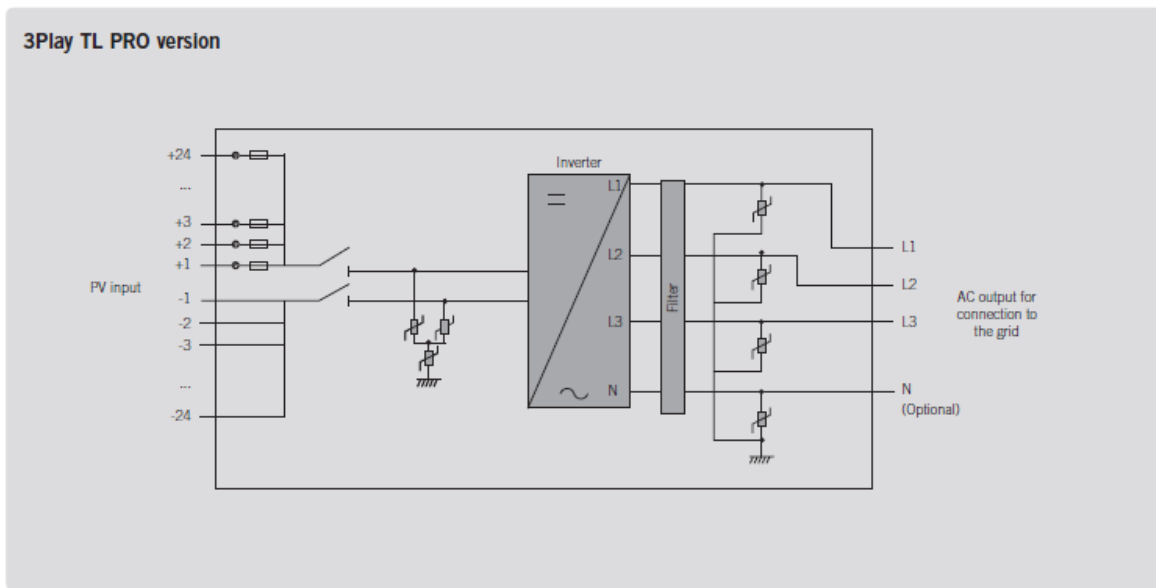
Product Certificate Number	11505-35-CER-E1
Applicant	Ingeteam Power Technology S.A. - Energy Avenida Ciudad De La Innovación, 13. 31621. Sarriguren. Navarra. SPAIN
Series/	INGECON SUN 3Play TL Series
Model/	INGECON SUN 100TL
Type of generating unit	Photovoltaic Inverter
Technical Data	See page 2
Standards	IEC 62109-1:2010. Safety of power converters for use in photovoltaic power systems -- Part 1: General requirements. IEC 62109-2:2011. Safety of power converters for use in photovoltaic power systems - Part 2: Particular requirements for inverters.
<p>Having assessed the test reports numbers: 11505-35 (part 1) and 11505-36 (part 2) performed by Certification Entity for Renewable Energies, S.L., who is accredited by ENAC with accreditation number 1239/LE2396, based on the requirements of the EN ISO/IEC 17025:2005.</p> <p>The above-mentioned generating unit complies with the requirements of the: IEC 62109-1:2010. Safety of power converters for use in photovoltaic power systems -- Part 1: General requirements and IEC 62109-2:2011 Safety of power converters for use in photovoltaic power systems - Part 2: Particular requirements for inverters.</p> <p>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:</p> <ul style="list-style-type: none">• Testing of production samples selected by CERE.• Audit of quality system according ISO 9001 with certificate number: 0. 04. 12149 issued by a certification body accredited according EN ISO/IEC 17021.• Inspection of the manufacturing process. <p>This certificate cancels and supersedes the certificate 11505-35-CER issued on October 31, 2017</p>	
<p>Madrid, May 30, 2019. This certificate is valid until October 31, 2020</p> <p style="text-align: right;">Miguel Martínez Lavin Certification Manager</p>	

INGECON SUN 100TL

DC INPUT					
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				
AC OUTPUT					
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 / 60 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 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:

11505-3-TM

The inspection of manufacturing process was performed in:
On 27th 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