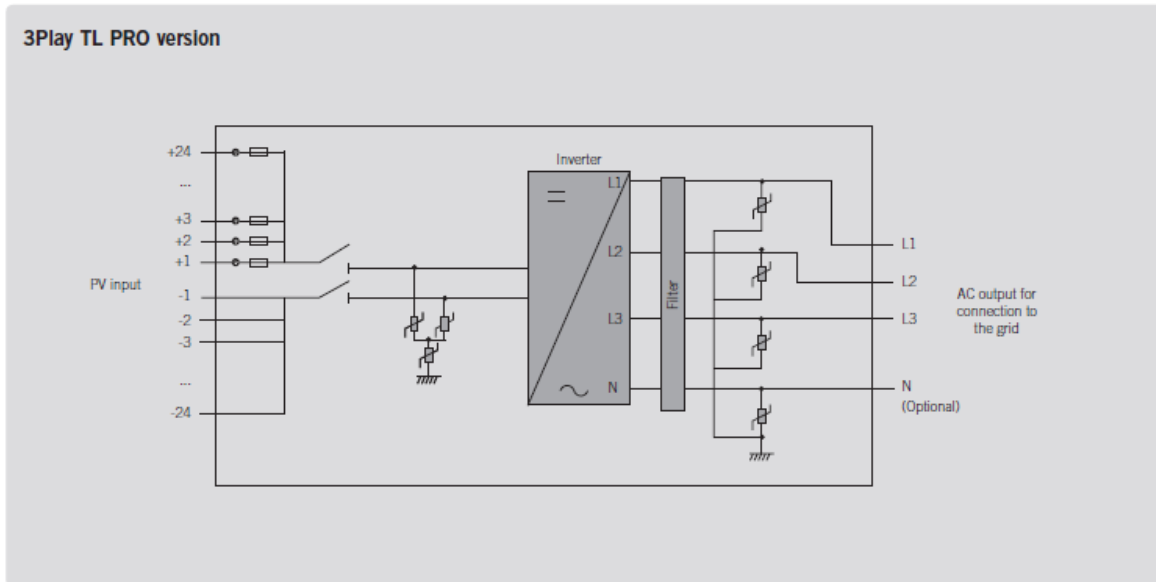


Product Certificate Number	11505-12-CER
Applicant	Ingeteam Power Technology S.A. - Energy Avenida Ciudad De La Innovación, 13. 31621. Sarriguren. Navarra. SPAIN
Model/	INGECON SUN 100TL
Series/	INGECON SUN 3Play TL Series
Type of generating unit	Photovoltaic Inverter
Technical Data	See page 2
Network connection rule	EN 50438:2013 Requirements for micro-generating plants to be connect-ed in parallel with public low-voltage distribution networks.
<p>Having assessed the test report number: 11505-12-TR performed by Certification Entity for Renewable Energies, S.L. (EA Accredited Laboratory Nº 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: EN 50438:2013 Requirements for micro-generating plants to be connect-ed in parallel with public low-voltage distribution networks.</p> <p>This certification is according the CERE internal process PET-CERE-09 Rev 10 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. 12231 issued by a certification body accredited according EN ISO/IEC 17021. • Inspection of the manufacturing process. 	
<p>Madrid at July 21, 2017. This certificate is valid until July 21, 2020</p> <p style="text-align: right;">Miguel Martínez Lavin Certification Manager</p>	

INGETEA SUN 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 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



Manufacturer:

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

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

April 24, 2017

Sample Report Number:

11505-1-TM

The inspection of manufacturing process was performed in
 manufacture facilities:

June 27, 2017

Inspection Report Number:

11505-IF