



Product Certificate Number	20335-1-CER
Applicant	Ingeteam Power Technology S.A Energy Av. Ciudad de la Innovación, 13, 31621 Sarriguren, Navarra, Spain
Series	Ingecon Sun B
Models	1170TL B450, 1400TL B540, 1500TL B578, 1560TL B600, 1600TL B615, 1640TL B630, 1665TL B640, 1690TL B650, 1740TL B670, 1800TL B690.
Type of generating unit	Three-Phase Solar Inverter
Technical Data	See Page 2
Network connection code	CEI 0-16. 04-2019. Regola tecnica di riferimento per la connessione di Utenti attivi e passivi alle retie AT ed MT delle imprese distributrici di energia elettrica.

Having assessed the test report number 20335-1-TR performed by Certification Entity for Renewable Energies, S.L. (Accredited by A2LA with N° 5314.01), based on the requirements of the EN ISO/IEC 17025:2005.

The above-mentioned generating unit complies with the requirements of the: **CEI 0-16. 04-2019.** Regola tecnica di riferimento per la connessione di Utenti attivi e passivi alle retie AT ed MT delle imprese distributrici di energia elettrica.

This certification is according the CERE internal process PET-CERE-09 Rev 21 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.

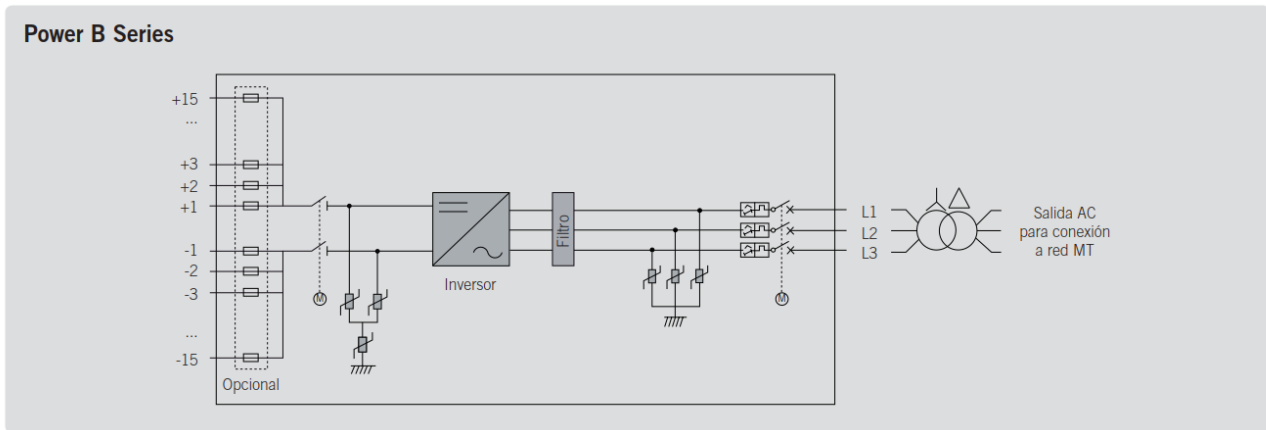
Madrid at February 27, 2020. This certificate is valid until February 27, 2023

Miguel Martínez Lavin
Certification Manager

Model:	1170TL B450	1400TL B540	1500TL B578	1560TL B600	1600TL B615
Input (DC)					
Recommended PV array power range	1157-1520 kWp	1389-1824 kWp	1487-1952 kWp	1543-2027 kWp	1582-2077 kWp
Voltage Range MPP	655-1300 V	782-1300 V	837-1300 V	868-1300 V	889-1300 V
Maximum Voltage	1500 V				
Maximum Current	1850 A				
Output (AC)					
Power 30°C	1169 kVA	1403 kVA	1502 kVA	1559 kVA	1598 kVA
Current 30°C	1500 A				
Rated Voltage	450 V IT System	540 V IT System	578 V IT System	600 V IT System	615 V IT System
Frequency	50/60 Hz				
Software version	ABK1000_M				

Model:	1640TL B630	1665TL B640	1690TL B650	1740TL B670	1800TL B690
Input (DC)					
Recommended PV array power range	1620-2128 kWp	1646-2162 kWp	1672-2196 kWp	1723-2263 kWp	1775-2330 kWp
Voltage Range MPP	911-1300 V	925-1300 V	939-1300 V	968-1300 V	996-1300 V
Maximum Voltage	1500 V				
Maximum Current	1850 A				
Output (AC)					
Power 30°C	1637 kVA	1663 kVA	1689 kVA	1741 kVA	1793 kVA
Current 30°C	1500 A				
Rated Voltage	630 V IT System	640 V IT System	650 V IT System	670 V IT System	690 V IT System
Frequency	50/60 Hz				
Software version	ABK1000_M				

Electrical Diagram of Ingecon Sun B Series 1500 V:



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

Ingeteam Power Technology S.A Paneles
Poligono Industrial El Juncarillo, Naves 1 y 2
31293 Sesma, Navarra, Spain.

Sample Report Number:

20335-TM

The inspection of manufacturing process was performed in:
On December 10, 2019

Ingeteam Power Technology S.A Paneles
Poligono Industrial El Juncarillo, Naves 1 y 2
31293 Sesma, Navarra, Spain

Inspection Report Number:

10978-19-2-IF