



Product Service

Compliance Document

No. D 122028 0019 Rev. 00

Holder of Certificate: **Ingeteam Power Technology, S.A.**

Avda. Ciudad de la Innovación, 13
31621 Sarriguren, Navarra
SPAIN

Product: **Converter**
(PV grid-interactive inverter)

Model(s): **INGECON SUN 5TL M2**
INGECON SUN 10TL M2
INGECON SUN 15TL M2
INGECON SUN 20TL M2
INGECON SUN 30TL M2

Parameters: See page 2-3

Tested according to: CEI 0-16:2022
CEI 0-16:2022/V1:2022

This Compliance document confirms the compliance with the listed standards on a voluntary basis. It refers only to the sample submitted for testing and certification and does not certify the quality or safety of the serial products. For details see: www.tuvsud.com/ps-cert

Test report no.: 64290243041901

Date, 2024-05-13

(Billy Qiu)

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Parameters:

Model Name	INGECON SUN 5TL M2	INGECON SUN 10TL M2
PV input terminal parameters		
Max Input Voltage	1100 V d.c.	
MPPT Voltage Range	160 V d.c. -1000 V d.c.	
MPPT Tracker number	1/1	
Max Input Current	15/15 A d.c.	
Shorted Input Current	20/20 A d.c.	
AC output terminal parameters		
Rated Output Voltage	3/N/PE~, 230/400 V a.c.	
Rated Output Current	7.2 A a.c.	14.5 A a.c.
Max Output Current	8.4 A a.c.	17.0 A a.c.
Rated Output Power	5000 W	10000 W
Maximum Output Power P_{max}	5500 W	11200 W
Maximum Output Apparent Power S_{max}	5500 VA	11200 VA
Rated Output Frequency	50 Hz	
Power Factor	0.8 inductive to 0.8 capacitive	

Model Name	INGECON SUN 15TL M2	
PV input terminal parameters		
Max Input Voltage	1100 V d.c.	
MPPT Voltage Range	160 V d.c.-1000 V d.c.	
MPPT Tracker number	1/2	
Max Input Current	15/30 A d.c.	
Shorted Input Current	20/40 A d.c.	
AC output terminal parameters		
Rated Output Voltage	3/N/PE~, 230/400 V a.c.	
Rated Output Current	21.7 A a.c.	
Max Output Current	25.3 A a.c.	
Rated Output Power	15000 W	
Maximum Output Power P_{max}	16700 W	
Maximum Output Apparent Power S_{max}	16700 VA	
Rated Output Frequency	50 Hz	
Power Factor	0.8 inductive to 0.8 capacitive	

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Model Name	INGECON SUN 20TL M2	INGECON SUN 30TL M2
PV input terminal parameters		
Max Input Voltage	1100 V d.c.	
MPPT Voltage Range	160 V d.c.-1000 V d.c.	
MPPT Tracker number	2/2	2/2
Max Input Current	30/30 A d.c.	40/30 A d.c.
Shorted Input Current	40/40 A d.c.	50/37.5 A d.c.
AC output terminal parameters		
Rated Output Voltage	3/N/PE~, 230/400 V a.c.	
Rated Output Current	29.0 A a.c.	43.5 A a.c.
Max Output Current	33.7 A a.c.	50.2 A a.c.
Rated Output Power	20000 W	30000 W
Maximum Output Power P_{max}	22000 W	33000 W
Maximum Output Apparent Power S_{max}	22000 VA	33000 VA
Rated Output Frequency	50 Hz	
Power Factor	0.8 inductive to 0.8 capacitive	

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The following generators meet the requirements of CEI 0-16:2022 and CEI 0-16:2022/V1:2022						
Section A	Manufacturer	Ingeteam Power Technology, S.A. Avda. Ciudad de la Innovación, 13, 31621 Sarriguren, Navarra, SPAIN				
	Equipment type	PV grid-interactive inverter				
	Brand	Ingeteam				
	User side connection	<input checked="" type="checkbox"/> Three-phase with neutral <input type="checkbox"/> Three-phase without neutral Frequency: 50Hz Voltage: 230V/400Va.c.				
	Primary energy used	<input checked="" type="checkbox"/> Solar <input type="checkbox"/> Storage <input type="checkbox"/> Wind <input type="checkbox"/> Hydroelectric <input type="checkbox"/> CHP <input type="checkbox"/> Other:				
	Generator model	INGECON SUN 5TL M2	INGECON SUN 10TL M2	INGECON SUN 15TL M2	INGECON SUN 20TL M2	INGECON SUN 30TL M2
	Rated active power output to Grid	5000 W	10000 W	15000 W	20000W	30000W
	Maximum apparent power output to Grid	5500 VA	11200 VA	16700 VA	22000 VA	33000 VA
	The generator:	<input checked="" type="checkbox"/> suitable for installation in plants with a power output of less than or equal to 400 kW <input type="checkbox"/> suitable for installation in plants with a power exceeding 400 kW				
Section B	Static converter characteristics					
	Manufacturer of inverter	Ingeteam Power Technology, S.A.				
	Firmware version	062511				
	Model of inverter	INGECON SUN 5TL M2	INGECON SUN 10TL M2	INGECON SUN 15TL M2	INGECON SUN 20TL M2	INGECON SUN 30TL M2
	Nominal converter power (P_{NINV})	5000 W	10000 W	15000 W	20000W	30000W
Section H	References of the laboratories that performed the tests and their test reports (RdP)					
	Selected method	<input checked="" type="checkbox"/> Tests performed by an accredited laboratory				
	Test Reports (RdP)	Test report according to Annex N: 64.290.24.30419.01				
	Issued by	Accredited lab: TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch				
	Accreditation No.	D-PL-19065-01-00				
	Accreditation body ref.	DAkKS				
Section L	Reference of the certification body					
	Certification Body	TÜV SÜD Product Service GmbH DAkKS accreditation certificate D-ZE-11321-01-00 according to DIN EN ISO/IEC 17065:2013				