

DECLARATION OF CONFORMITY

Manufacturer: INGETEAM S.A.
Avda. Ciudad de la Innovación nº 13
E-31621 Sarriguren (Navarra). SPAIN
Phone +34 948288000 / Fax +34 948288001

We hereby declare the conformity of our products Brand/Model:

INGECON® SUN 50	INGECON® SUN 80
INGECON® SUN 60	INGECON® SUN 90
INGECON® SUN 70	INGECON® SUN 100

Are conforming to the provisions of the following harmonised standards:

EMC:

Emission: UNE EN 61000-6-4:2002 (Industrial Environments)

Immunity: UNE EN 61000-6-2:2006 (Industrial Environments)

Harmonics: EN 61000-3-12:2005

Flickers: EN 61000-3-11:2000

Electrical Security: UNE EN 50178:1998

Therefore fulfils with thw safety provisions for people and things required by the following Council Directives:

Low Voltaje Directive: 2006/95/CE

EMC Directive: 2004/108/CE

In case that our supplies are incorporated into equipment subject to the Directive 89/392/CE and its modifications, these products cannot be put into service without the prior Declaration of fulfilment of the above mentioned Directives and Quality Standards by the equipment to which they are to be incorporated.

Sarriguren, January 2008



Mr. Juan Carlos Jadraque
Head of PV Area Ingeteam S.A.

INGECON® SUN

CE

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tüv

ISO 9001
Certificate: 01 100 01201E

ISO 14001
Certificate: 01 100 01201E

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Sarriguren, January 2008



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Head of PV Area Ingeteam S.A.

INGECON® SUN

CE

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tüv

ISO 9001
Certificate 01 100 010911

ISO 14001
Certificate 01 100 010912

ISO 14001
Certificate 01 100 010912

TÜV NORD

Accreditamento EN 45011 N. ZLS-ZE-434/04 emesso da ZLS (data scadenza: 2007-12-31)
 EN 45011 Accreditation No. ZLS-ZE-434/04 issued by ZLS (expiry date: 2007-12-31)

OGGETTO: Dichiarazione di conformità alla prescrizione ENEL Distribuzione S.p.A. DK 5940 (Ed. 2.2 dell'Aprile 2007).

SUBJECT: Declaration of Conformity to ENEL Distribuzione S.p.A. Specification DK 5940 (Ed. 2.2, April 2007).

TIPOLOGIA DI APPARATO A CUI SI RIFERISCE LA DICHIARAZIONE:
TYPE OF APPARATUS WHICH THE DECLARATION IS REFERRED TO:

DISPOSITIVO DI INTERFACCIA Interface Device	PROTEZIONE DI INTERFACCIA Interface Protection Device	DISPOSITIVO DI CONVERSIONE STATICA Static Conversion Device
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> NOTA/Note	<input checked="" type="checkbox"/>

NOTA: vedi tabella modelli. / NOTE: see models' table.

Costruttore
 Manufacturer

INGETEAM, S.A.
 Avda. Ciudad de la Innovación, 13
 E-31621 Sarriguren - Navarra

Modelli / Models		
Con PIB / With PIB	Senza PIB / Without PIB	Software release
Ingecon Sun 100 PI	Ingecon Sun 100	AAS1301.100
Ingecon Sun 90 PI	Ingecon Sun 90	AAS1301.90
Ingecon Sun 80 PI	Ingecon Sun 80	AAS1300.80
Ingecon Sun 70 PI	Ingecon Sun 70	AAS1300.70
Ingecon Sun 60 PI	Ingecon Sun 60	AAS1302.60
Ingecon Sun 50 PI	Ingecon Sun 50	AAS1302.50

Laboratorio di Prova
 Test Laboratory

EuroTest Laboratori S.r.l., Via dell'Industria, 18 – I-35020 Brugine (PD)
 Accreditamento SINAL N. 0192

Esaminato il Fascicolo Prove n° DK 01 CdO 07C200008 emesso da EuroTest Laboratori S.r.l.
 Having assessed the Test File no. DK 01 CdO 07C200008 issued by EuroTest Laboratori S.r.l.

si dichiara che i prodotti indicati soddisfano i requisiti della specifica Enel Distribuzione DK 5940 (Ed. 2.2 dell'Aprile 2007).

we declare that the products indicated meet the requirements laid down by Enel Distribuzione Specification DK 5940 (Ed. 2.2, April 2007).

Validità del Certificato
 Validity of the Certificate

Questo Certificato è valido per i prodotti indicati, così come descritti nei Fascicoli citati. Nuovi requisiti o emendamenti a requisiti esistenti, così come modifiche ai prodotti, possono implicare nuove verifiche e certificazioni.

This Certificate is valid only for the products indicated herein, as described in the Files mentioned. New requirements or amendment to existing ones, or modifications to the product, may imply re-verification and re-certification.

Data di emissione
 Issue Date 2007-09-13


 Carlo Tarantola

Dichiarazione N. / Declaration No. 461J07002

CERTIFICATE OF CONFORMITY

Manufacturer: INGETEAM ENERGY S.A.
Avda. Ciudad de la Innovación nº 13
E-31621 Sarriguren (Navarre). SPAIN
Phone +34 948288000 / Fax +34 948288001

We hereby declare that our product Brand/Model INGECON® SUN:

INGECON® SUN 10

INGECON® SUN 12.5

INGECON® SUN 15

INGECON® SUN 50

INGECON® SUN 60

INGECON® SUN 70

INGECON® SUN 80

INGECON® SUN 90

INGECON® SUN 100

Fullfils with the safety provisions for people and things required by the following Council Directives:

2006/95/CE Low Voltage Directive

2004/108/CE Electromagnetic Compatibility Directive

Complying with this directives allows this equipments to be marked CE.

Fullfils with requirements of the standards:

CEI 11-20 (2000)

CEI 11-20 V1 (2004)

Sarriguren, March 2009

Ingeteam

Ingeteam Energy, S.A.

Avda. Ciudad de la Innovación, 13
E-31621 Sarriguren-Navarra-Spain
Tel +34 948 288000
www.ingeteam.com
C.I.F. A-31-270853

CE



Modello	PI	SW Version (PI)	DI	Dgen	Pnom	Potenza continuativa	Tensione di alimentazione	Fattore di potenza	Contributo alla Corrente di corto Circuito
Ingecon Sun 10	Ingeteam	AAS1340.10	Contattore Telemecanique LC1 D25		10,0 kW	10,9 kW	400V 3F+N	1	21,7A
Ingecon Sun 11	Ingeteam	AAS1340.11	Contattore Telemecanique LC1 D25						
Ingecon Sun 12,5	Ingeteam	AAS1340.12.5	Contattore Telemecanique LC1 D25		12,5 kW	12,8 kW	400V 3F+N	1	27,1A
Ingecon Sun 15	Ingeteam	AAS1340.15	Contattore Telemecanique LC1 D25		15,0 kW	15,6 kW	400V 3F+N	1	32,5A
Ingecon Sun 20	Ingeteam	AAS1346.20	Contattore Telemecanique LC1 D38P7 38A AC3	Fuse aR 22x58 63A	20kW	22 kW	400V 3F+N	1	43A
Ingecon Sun 20 HP	Ingeteam	AAS1346.20	Contattore Telemecanique LC1 D38P7 38A AC3	Fuse aR 22x58 63A	22kW	22 kW	400V 3F+N	1	43A
Ingecon Sun 20 HP PI	Carlo Gavazzi DPC02DM48 B003	A1	Contattore Telemecanique LC1 D38P7 38A AC3	Fuse aR 22x58 63A	22kW	22 kW	400V 3F+N	1	43A
Ingecon Sun 25			Contattore Telemecanique LC1 D38P7 38A AC3	Fuse aR 22x58 63A	25kW	27,5kW	400V 3F+N	1	54A
Ingecon Sun 25 PI	Carlo Gavazzi DPC02DM48 B003	A1	Contattore Telemecanique LC1 D38P7 38A AC3	Fuse aR 22x58 63A	25kW	27,5kW	400V 3F+N	1	54A
Ingecon Sun 30			Contattore Telemecanique LC1 D50P7 50A AC3	Fuse aR 22x58 80A	30kW	33kW	400V 3F+N	1	65A
Ingecon Sun 30 PI	Carlo Gavazzi DPC02DM48 B003	A1	Contattore Telemecanique LC1 D50P7 50A AC3	Fuse aR 22x58 80A	30kW	33kW	400V 3F+N	1	65A
Ingecon Sun 50 PI	Carlo Gavazzi DPC02DM48 B003	A1	Contattore Telemecanique LC1 F185		50 kW	55 kW	400V 3F	1	108 A
Ingecon Sun 60 PI	Carlo Gavazzi DPC02DM48 B003	A1	Contattore Telemecanique LC1 F185		60 kW	66 kW	400V 3F	1	131 A
Ingecon Sun 70 PI	Carlo Gavazzi DPC02DM48 B003	A1	Contattore Telemecanique LC1 F185		70 kW	77 kW	400V 3F	1	152 A
Ingecon Sun 80 PI	Carlo Gavazzi DPC02DM48 B003	A1	Contattore Telemecanique LC1 F185		80 kW	88 kW	400V 3F	1	173 A
Ingecon Sun 90 PI	Carlo Gavazzi DPC02DM48 B003	A1	Contattore Telemecanique LC1 F185		90 kW	99 kW	400V 3F	1	195 A
Ingecon Sun 100 PI	Carlo Gavazzi DPC02DM48 B003	A1	Contattore Telemecanique LC1 F185	NS250H TM200D 3P 70kA Merlin Gerin MG31671	100 kW	110 kW	400V 3F	1	216 A

Versioni Firmware dei dispositivi Ingecon Sun

FW	Ingecon Sun	
AAS1321	Ingecon Sun 10kW	
AAS1340	Ingecon Sun 12,5kW IP54	
AAS1342	Ingecon Sun 15kW IP54	
AAS1347	Ingecon Sun 20kW IP54	
AAS1346	Ingecon Sun 25kW IP54	
AAS1348	Ingecon Sun 30kW IP54	
AAS1302	Ingecon Sun 50kW	
AAS1302	Ingecon Sun 60kW	
AAS1299	Ingecon Sun 70kW	
AAS1300	Ingecon Sun 80kW	
AAS1329	Ingecon Sun 90kW	
AAS1301	Ingecon Sun 100kW	
AAS1312	Ingecon Sun 100kW TL	
AAV1300	Ingecon Sun Nx125 kW TL	Valido per 125TL 250TL,375TL,500TL
AAV1301	Ingecon Sun Nx125 kW TL Master Slave	Valido per la versione master slave 250TL,375TL,500TL
AAV1300	Ingecon Sun Nx156 kW TL	Valido per 315HE TL, 470HE TL,500HE TL, 630HE TL
AAV1301	Ingecon Sun Nx156 kW TL Master Slave	Valido per la versione master slave 315HE TL,470HE TL,500HE TL,630HE TL

La versione firmware è la stessa dei convertitori Nx125 kW con parametri diversi

Ingeteam

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We hereby declare that our product Brand/Model INGECON® SUN:

INGECON® SUN 50

INGECON® SUN 70

INGECON® SUN 90

INGECON® SUN 50 PI

INGECON® SUN 70 PI

INGECON® SUN 90 PI

INGECON® SUN 100 TL

INGECON® SUN 60

INGECON® SUN 80

INGECON® SUN 100

INGECON® SUN 60 PI

INGECON® SUN 80 PI

INGECON® SUN 100 PI

INGECON® SUN 125 TL

Comply with the following values of Sound Level:

Sound Level 4 m.: <59 dBA

Sound Level 8 m.: <52.6 dBA

Sarriguren, May 2009

Ingeteam

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CIF: A-31-270853

CE

