



ATTESTATION

Attestation number	15862 Rev.2	Replaces	15862 Rev.1
Issued	12/09/2020	First edition	25/10/2016
Report number	151100088	Expiry date	20/07/2021
Page	1 of 3	Contract number	KIP PV 1070

Factory Inspection Attestation Photovoltaic (PV) Panels

License holder:	Torri Solare S.r.l. Via Cadorna 77/A – 25027 Quinzano d'Oglio (BS), Italy
Production site(s):	Torri Solare S.r.l. Via Cadorna 77/A – 25027 Quinzano d'Oglio (BS), Italy
Production site ref. nr.:	KIP PV 1070 001
Model(s):	TRS XXX P; TRS GARDENA YY_XXX P; TRS XXX/220 P; TRS YY_XXX P; TRS XXX BLUE; TRS XXX T; TRS XXX/220 Pi; TRS XXX M; TRS XXX/220 M; TRS XXX BLACK; R.100; R.83; R.50 (see extended models in the Annex)*

During the periodic inspection of the production site(s), the production steps are checked, verifying that the technical characteristics of the products, listed above, comply with the type approval certification according to the standards IEC 61215:2005, IEC 61730-1:2013 and IEC 61730-2:2012. The details of the Factory Production Control are documented in the audit report nr. KIP PV 1070 – 21/05/2020 dated on 21/05/2020 and includes:

- inspection of the manufacturing quality control and production procedures;
- inspection of the produced panels and confirmation that these are identical to the tested panels;
- periodic verification of the manufacturer test facilities.

The products are fully produced in the EU territory and therefore are in compliance with the requirements for the 'Made in EU' of the Italian law 'V Conto Energia per il Fotovoltaico' – D.M. 5 Luglio 2012 and application rules: GSE August 2012 paragraph 4.4.

Production steps:	Complete production: string, assembling, lamination and electrical test
Production capacity:	Maximum 10 MW/year
Module serial number sequence:	Module serial number below the bar code: 800ANNNNNNNNN 800A: production site, code "800A" (KIP PV 1070 001) NNNNNNNNN: progressive unique serial number from 000000000 to 999999999

Publication of the attestation is allowed.

The validity of this attestation can be verified on request at the following e-mail address: energy@kiwacermet.it.

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Chief Operating Officer
Giampiero Belcredi

Kiwa Cermet Italia S.p.A.

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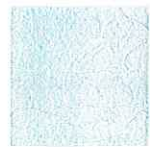
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Annex Extended models*

(Extended models according to IEC61215 "Retesting Guideline")

Model name	Cells number	Cell size (mm)	Cell technology	Rated power (Wp)
TRS XXX P	72	156x156	Poly-Si	From 240 to 305 with 5 steps
TRS GARDENA 72_XXX P	72	156x156	Poly-Si	From 240 to 305 with 5 steps
TRS XXX/220 P	60	156x156	Poly-Si	From 200 to 290 with 5 steps
TRS GARDENA 60_XXX P	60	156x156	Poly-Si	From 200 to 290 with 5 steps
TRS 54_XXX P	54	156x156	Poly-Si	From 180 to 260 with 5 steps
TRS 50_XXX P	50	156x156	Poly-Si	From 165 to 240 with 5 steps
TRS 48_XXX P	48	156x156	Poly-Si	From 160 to 230 with 5 steps
TRS GARDENA 48_XXX P	48	156x156	Poly-Si	From 165 to 230 with 5 steps
TRS GARDENA 40_XXX P	40	156x156	Poly-Si	From 140 to 190 with 5 steps
TRS XXX BLUE	36	156x156	Poly-Si	From 120 to 170 with 5 steps
TRS XXX T	30	156x156	Poly-Si	From 100 to 145 with 5 steps
TRS GARDENA 24_XXX P	24	156x156	Poly-Si	From 85 to 115 with 5 steps
TRS GARDENA 20_XXX P	20	156x156	Poly-Si	From 70 to 95 with 5 steps

Remarks: XXX = rated power; GARDENA = transparent backsheet; Pi = with Solrif mounting system; T = sloped side; BLUE and BLACK = models with 36 cells (backsheets color: white); R.100, R.83, R.50 = distance between cells 6 mm. All models can be framed or frameless, except the model TRS XXX/220 Pi.

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(Extended models according to IEC61215 "Retesting Guideline")

Model name	Cells number	Cell size (mm)	Cell technology	Rated power (Wp)
TRS XXX/220 Pi	60	156x156	Poly-Si	From 200 to 290 with 5 steps
TRS XXX M	72	156x156	Mono-Si	From 260 to 320 with 5 steps
TRS XXX/220 M	60	156x156	Mono-Si	From 220 to 265 with 5 steps
TRS XXX BLACK	36	156x156	Mono-Si	From 95 to 100 with 5 steps
R.100	24	156x156	Poly-Si	100
R.83	20	156x156	Poly-Si	83
R.50	12	156x156	Poly-Si	50

Remarks: XXX = rated power; GARDENA = trasparent backsheet; Pi = with Solrif mounting system; T = sloped side; BLUE and BLACK = models with 36 cells (backsheet color: white); R.100, R.83, R.50 = distance between cells 6 mm. All models can be framed or frameless, except the model TRS XXX/220 Pi.

Chief Operating Officer
Giampiero Belcredi

Additional Information:

Product Certificate nr.: KIP-090694A/03.

Laboratory test reports nr.: PVM 01 CdO 08C307007; PVS 01 CdO 08C307007; PVC 01 CdO 09C307006; PVQ01 16423-100283; PS201 16423-100283; AR11 TEST172-rev.1; AR12 TEST 127; AR12 TEST148-rev.1; PVQ01 16423-100450; PS201 16423-100450; L0001247 rev.00.

Il presente attestato è valido ai fini del riconoscimento del premio per gli impianti che utilizzano componenti principali realizzati in Paesi UE/SEE come previsto dal decreto DM 5 luglio 2012 (Quinto Conto Energia). La capacità produttiva indicata viene conteggiata sulla base della massima capacità produttiva teorica annuale dello stabilimento al momento dell'ispezione annuale. Il presente documento non garantisce in alcun modo la completa provenienza europea di tutta la produzione annuale teorica indicata, ma attesta unicamente che alla data dell'ispezione di fabbrica tutti i processi produttivi, la lista materiali utilizzata e l'applicazione del numero seriale sono stati verificati conformemente alle previsioni del decreto DM 5 luglio 2012 (Quinto Conto Energia).

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