

Attestation No.

11-PPA-0005809/07-TIC

WE HEREBY DECLARE THAT THE PHOTOVOLTAIC MODULES WITH THE MODEL

SPL-BA 200

(Tested Type)

And with Types extended for similarity*
- See Annex -

MANUFACTURING & LICENSE HOLDER

SYSTEM PHOTONICS S.P.A.

Via Ghiarola Vecchia 73, I-41042 Fiorano Modenese (MO)

IS IN COMPLIANCE WITH THE REQUIREMENTS OF

TUEVPAM-1110

(Resistance to Ammonia Test)

AND RELEVANT IEC INTERNATIONAL STANDARDS

AS RESULT OF THE TEST IN OUR APPOINTED LABORATORY

REPORT No. TIC-AR11TEST005

Expiring date 13.02.2016

(Providing that the testing basis continues unchanged)

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type SPL-BA 200. Further details on tested models are reported on the attachment. Technical data, materials and components description are into the indicated test reports. Any changes of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. This attestation is for type approval and based on voluntarily product test. The Manufacturing Inspection is conducted by TÜV INTERCERT on the base of the internal procedures.



Am Bonner Bogen 2, D-53227 Bonn, 14 02.201/ Dip. - Ing. Sergizzarea.

TOV INTERCERT Certification Body



Annex 1 of

Certificate No.

11-PPA-0005809/07-TIC

THE PHOTOVOLTAIC MODULES WITH THE MODELS

| Tested Type | Cell Number | Cell Size | Cell Technology | Power [W] |
|-------------|-------------|-----------|-----------------|-----------|
| SPL-BA 200 | 54 | 6" | Mono | 200 |

Types extended for similarity* with Mono cell technology without need of re-testing (according to IECEE "Retesting guideline"):

| Туре | Cell Number | Cell Size | Power [W] |
|--------------|-------------|-----------|-----------|
| SPL-BA 220* | 54 | 6" | 220 |
| SPL-BA 215* | 54 | 6" | 215 |
| SPL-BA 210* | 54 | 6" | 210 |
| SPL-BA 205* | 54 | 6" | 205 |
| STL-BA1 195* | 48 | 6" | 195 |
| STL-BA1 190* | 48 | 6" | 190 |
| STL-BA1 185* | 48 | 6" | 185 |
| STL-BA1 180* | 48 | 6" | 180 |
| STL-BA1 175* | 48 | 6" | 175 |
| STL-BA2 185* | 45 | 6" | 185 |
| STL-BA2 180* | 45 | 6" | 180 |
| STL-BA2 175* | 45 | 6" | 175 |
| STL-BA2 170* | 45 | 6" | 170 |
| STL-BA2 165* | 45 | 6" | 165 |
| SPL-AA 150* | 36 | 6" | 150 |
| SPL-AA 145* | 36 | 6" | 145 |
| SPL-AA 140* | 36 | 6" | 140 |
| SPL-AA 135* | 36 | 6" | 135 |
| SPL-AA 130* | 36 | 6" | 130 |
| | | | |

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type SPL-BA 200. Technical data, materials and components description are into the indicated test reports. Any changes of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. This attestation is for type approval and based on voluntarily product test. The Manufacturing Inspection is conducted by TÜV INTERCERT on the base of the internal procedures.



Am Bonner Bogen 2, D-53227 Bonn, 14.02.2011 Dipholog. F. Selgizzarea



Annex 2 of

Certificate No.

11-PPA-0005809/07-TIC

THE PHOTOVOLTAIC MODULES WITH THE MODELS

Types extended for similarity* with Mono cell technology without need of re-testing (according to IECEE "Retesting guideline"):

| Туре | Cell Number | Cell Size | Power [W] |
|--------------|-------------|-----------|-----------|
| SPL-AA1 125* | 30 | 6" | 125 |
| SPL-AA1 120* | 30 | 6" | 120 |
| SPL-AA1 115* | 30 | 6" | 115 |
| SPL-AA1 110* | 30 | 6" | 110 |
| SPL-AAR 100* | 25 | 6" | 100 |
| SPL-AAR 95* | 25 | 6" | 95 |
| SPL-AAR 90* | 25 | 6" | 90 |
| RTL-CS 100* | 24 | 6" | 100 |
| RTL-CS 95* | 24 | 6" | 95 |
| RTL-CS 90* | 24 | 6" | 90 |
| RTL-CS 85* | 24 | 6" | 85 |
| RPL-AA 75* | 18 | 6" | 75 |
| RPL-AA 70* | 18 | 6" | 70 |
| RTL-CD 75* | 18 | 6" | 75 |
| RTL-CD 70* | 18 | 6" | 70 |
| RTL-CDW 50* | 12 | 6" | 50 |
| RTL-CDW 45* | 12 | 6" | 45 |
| RTL-CDW 40* | 12 | 6" | 40 |
| RTL-CD 50* | 12 | 6" | 50 |
| RTL-CD 45* | 12 | 6" | 45 |
| RTL-CD 40* | 12 | 6" | 40 |
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Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type SPL-BA 200. Technical data, materials and components description are into the indicated test reports. Any changes of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. This attestation is for type approval and based on voluntarily product test. The Manufacturing Inspection is conducted by TÜV INTERCERT on the base of the internal procedures.





TUV INTERCERT Certification Body

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Annex 3 of

Certificate No.

11-PPA-0005809/07-TIC

THE PHOTOVOLTAIC MODULES WITH THE MODELS

Types extended for similarity* with Mono cell technology without need of re-testing (according to IECEE "Retesting guideline"):

| Cell Number | Cell Size | Power [W] |
|-------------|--|---|
| 24 | 6" | 100 |
| 24 | 6" | 95 |
| 24 | 6" | 90 |
| 24 | 6" | 85 |
| 45 | 6" | 185 |
| 45 | 6" | 180 |
| 45 | 6" | 175 |
| 45 | 6" | 170 |
| 45 | 6" | 165 |
| 54 | 6" | 220 |
| 54 | 6" | 215 |
| 54 | 6" | 210 |
| 54 | 6" | 205 |
| 35 | 6" | 145 |
| 35 | 6" | 140 |
| 35 | 6" | 135 |
| 35 | 6" | 130 |
| 25 | 6" | 100 |
| 25 | 6" | 95 |
| 25 | 6" | 90 |
| | 24 24 24 24 45 45 45 45 45 45 45 54 54 54 54 54 35 35 35 35 25 | 24 6" 24 6" 24 6" 24 6" 24 6" 45 6" 45 6" 45 6" 45 6" 45 6" 54 6" 54 6" 54 6" 54 6" 35 6" 35 6" 35 6" 35 6" 25 6" |

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type SPL-BA 200. Technical data, materials and components description are into the indicated test reports. Any changes of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. This attestation is for type approval and based on voluntarily product test. The Manufacturing Inspection is conducted by TÜV INTERCERT on the base of the internal procedures.



Am Bonner Bogen 2, D-53227 Bonn, 14.02/2041

TÜV INTERCENT Certification Body



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SPL-BA 200

(Tested Type)

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- See Annex -

MANUFACTURING & LICENSE HOLDER

SYSTEM PHOTONICS S.P.A.

Via Ghiarola Vecchia 73, I-41042 Fiorano Modenese (MO)

IS IN COMPLIANCE WITH THE REQUIREMENTS OF

TUEVPAM-1110

(Resistance to Ammonia Test)

AND RELEVANT IEC INTERNATIONAL STANDARDS

AS RESULT OF THE TEST IN OUR APPOINTED LABORATORY

REPORT No. TIC-AR11TEST005

Expiring date 13.02.2016

(Providing that the testing basis continues unchanged)

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type SPL-BA 200. Further details on tested models are reported on the attachment. Technical data, materials and components description are into the indicated test reports. Any changes of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. This attestation is for type approval and based on voluntarily product test. The Manufacturing Inspection is conducted by TÜV INTERCERT on the base of the internal procedures.



Am Bonner Bogen 2, D-53227 Bonn, 14 02.201/ Dip. - Ing. Sergizzarea.

TOV INTERCERT Certification Body



Annex 1 of

Certificate No.

11-PPA-0005809/07-TIC

THE PHOTOVOLTAIC MODULES WITH THE MODELS

| Tested Type | Cell Number | Cell Size | Cell Technology | Power [W] |
|-------------|-------------|-----------|-----------------|-----------|
| SPL-BA 200 | 54 | 6" | Mono | 200 |

Types extended for similarity* with Mono cell technology without need of re-testing (according to IECEE "Retesting guideline"):

| Туре | Cell Number | Cell Size | Power [W] |
|--------------|-------------|-----------|-----------|
| SPL-BA 220* | 54 | 6" | 220 |
| SPL-BA 215* | 54 | 6" | 215 |
| SPL-BA 210* | 54 | 6" | 210 |
| SPL-BA 205* | 54 | 6" | 205 |
| STL-BA1 195* | 48 | 6" | 195 |
| STL-BA1 190* | 48 | 6" | 190 |
| STL-BA1 185* | 48 | 6" | 185 |
| STL-BA1 180* | 48 | 6" | 180 |
| STL-BA1 175* | 48 | 6" | 175 |
| STL-BA2 185* | 45 | 6" | 185 |
| STL-BA2 180* | 45 | 6" | 180 |
| STL-BA2 175* | 45 | 6" | 175 |
| STL-BA2 170* | 45 | 6" | 170 |
| STL-BA2 165* | 45 | 6" | 165 |
| SPL-AA 150* | 36 | 6" | 150 |
| SPL-AA 145* | 36 | 6" | 145 |
| SPL-AA 140* | 36 | 6" | 140 |
| SPL-AA 135* | 36 | 6" | 135 |
| SPL-AA 130* | 36 | 6" | 130 |
| | | | |

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type SPL-BA 200. Technical data, materials and components description are into the indicated test reports. Any changes of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. This attestation is for type approval and based on voluntarily product test. The Manufacturing Inspection is conducted by TÜV INTERCERT on the base of the internal procedures.



Am Bonner Bogen 2, D-53227 Bonn, 14.02.2011 Dipholog. F. Selgizzarea



Annex 2 of

Certificate No.

11-PPA-0005809/07-TIC

THE PHOTOVOLTAIC MODULES WITH THE MODELS

Types extended for similarity* with Mono cell technology without need of re-testing (according to IECEE "Retesting guideline"):

| Туре | Cell Number | Cell Size | Power [W] |
|--------------|-------------|-----------|-----------|
| SPL-AA1 125* | 30 | 6" | 125 |
| SPL-AA1 120* | 30 | 6" | 120 |
| SPL-AA1 115* | 30 | 6" | 115 |
| SPL-AA1 110* | 30 | 6" | 110 |
| SPL-AAR 100* | 25 | 6" | 100 |
| SPL-AAR 95* | 25 | 6" | 95 |
| SPL-AAR 90* | 25 | 6" | 90 |
| RTL-CS 100* | 24 | 6" | 100 |
| RTL-CS 95* | 24 | 6" | 95 |
| RTL-CS 90* | 24 | 6" | 90 |
| RTL-CS 85* | 24 | 6" | 85 |
| RPL-AA 75* | 18 | 6" | 75 |
| RPL-AA 70* | 18 | 6" | 70 |
| RTL-CD 75* | 18 | 6" | 75 |
| RTL-CD 70* | 18 | 6" | 70 |
| RTL-CDW 50* | 12 | 6" | 50 |
| RTL-CDW 45* | 12 | 6" | 45 |
| RTL-CDW 40* | 12 | 6" | 40 |
| RTL-CD 50* | 12 | 6" | 50 |
| RTL-CD 45* | 12 | 6" | 45 |
| RTL-CD 40* | 12 | 6" | 40 |
| | | | |

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type SPL-BA 200. Technical data, materials and components description are into the indicated test reports. Any changes of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. This attestation is for type approval and based on voluntarily product test. The Manufacturing Inspection is conducted by TÜV INTERCERT on the base of the internal procedures.





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Annex 3 of

Certificate No.

11-PPA-0005809/07-TIC

THE PHOTOVOLTAIC MODULES WITH THE MODELS

Types extended for similarity* with Mono cell technology without need of re-testing (according to IECEE "Retesting guideline"):

| Cell Number | Cell Size | Power [W] |
|-------------|--|---|
| 24 | 6" | 100 |
| 24 | 6" | 95 |
| 24 | 6" | 90 |
| 24 | 6" | 85 |
| 45 | 6" | 185 |
| 45 | 6" | 180 |
| 45 | 6" | 175 |
| 45 | 6" | 170 |
| 45 | 6" | 165 |
| 54 | 6" | 220 |
| 54 | 6" | 215 |
| 54 | 6" | 210 |
| 54 | 6" | 205 |
| 35 | 6" | 145 |
| 35 | 6" | 140 |
| 35 | 6" | 135 |
| 35 | 6" | 130 |
| 25 | 6" | 100 |
| 25 | 6" | 95 |
| 25 | 6" | 90 |
| | 24 24 24 24 45 45 45 45 45 45 45 54 54 54 54 54 35 35 35 35 25 | 24 6" 24 6" 24 6" 24 6" 24 6" 45 6" 45 6" 45 6" 45 6" 45 6" 54 6" 54 6" 54 6" 54 6" 35 6" 35 6" 35 6" 35 6" 25 6" |

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type SPL-BA 200. Technical data, materials and components description are into the indicated test reports. Any changes of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. This attestation is for type approval and based on voluntarily product test. The Manufacturing Inspection is conducted by TÜV INTERCERT on the base of the internal procedures.



Am Bonner Bogen 2, D-53227 Bonn, 14.02/2041

TÜV INTERCENT Certification Body



Certificate No.

11-PPV-0005809/06-TIC

WE HEREBY CERTIFY THAT THE PHOTOVOLTAIC MODULES WITH THE MODEL

SPL-BA 200

(Tested Type)

And with Types extended for similarity*
- See Annex -

MANUFACTURING & LICENSE HOLDER

SYSTEM PHOTONICS S.P.A.

Via Ghiarola Vecchia 73, I-41042 Fiorano Modenese (MO)

IS IN COMPLIANCE WITH THE REQUIREMENTS OF

IEC 61215:2005

Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval

&

IEC 61730-1: 2004 / IEC 61730-2: 2004

Photovoltaic (PV) module safety qualification
To be used in plants at a total voltage up to : 1000 Vdc (application Class A)

AS RESULT OF THE TEST IN OUR APPOINTED LABORATORY

EA ACCREDITED LABORATORY N. 0192

REPORT No. TIC-PVQ01-17382-100074, TIC-PVQ01-R1-17382-100074, TIC-PS1-17382-100074, TIC-PS201-R1-17382-100074

Expiring date 11.04.2016

(Providing that the testing basis continues unchanged)

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type SPL-BA 200. Further details on certified models are reported on the attachment. Technical data, materials and components description are into the indicated test reports. Any changes of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. The certification is performed on tested model as complete certification and retest performed according to IECEE "Retesting guideline" for similarity with model SPL-BA 200 (certificate n° C01-09C452003) it released by EuroFEE Laboratori S.r.l, in date 20/05/2010) with differences in cell technology. This certificate is for type approval and based on voluntarily product test. The Manufacturing Inspection is conducted by TÜV INTERCERT on the base of the internal procedures.







Am Bonner Bogen 2, D-53227 Bonn, 12.04.201

TÜV INTERCENT Certification Body



Annex 1 of

Certificate No.

11-PPV-0005809/06-TIC

THE PHOTOVOLTAIC MODULES WITH THE MODELS

| Tested Type | Cell Number | Cell Size | Cell Technology | Power [W] |
|-------------|-------------|-----------|-----------------|-----------|
| SPL-BA 200 | 54 | 6" | Mono | 200 |

Types extended for similarity* with Mono cell technology without need of re-testing (according to IECEE "Retesting guideline"):

| Туре | Cell Number | Cell Size | Power [W] |
|--------------|-------------|-----------|-----------|
| SPL-BA 220* | 54 | 6" | 220 |
| SPL-BA 215* | 54 | 6" | 215 |
| SPL-BA 210* | 54 | 6" | 210 |
| SPL-BA 205* | 54 | 6" | 205 |
| STL-BA1 195* | 48 | 6" | 195 |
| STL-BA1 190* | 48 | 6" | 190 |
| STL-BA1 185* | 48 | 6" | 185 |
| STL-BA1 180* | 48 | 6" | 180 |
| STL-BA1 175* | 48 | 6" | 175 |
| STL-BA2 185* | 45 | 6" | 185 |
| STL-BA2 180* | 45 | 6" | 180 |
| STL-BA2 175* | 45 | 6" | 175 |
| STL-BA2 170* | 45 | 6" | 170 |
| STL-BA2 165* | 45 | 6" | 165 |
| SPL-AA 150* | 36 | 6" | 150 |
| SPL-AA 145* | 36 | 6" | 145 |
| SPL-AA 140* | 36 | 6" | 140 |
| SPL-AA 135* | 36 | 6" | 135 |
| SPL-AA 130* | 36 | 6" | 130 |

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type SPL-BA 200. Technical data, materials and components description are into the indicated test reports. Any changes of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. The certification is performed on tested model as complete certification and retest performed according to IECEE "Retesting guideline" for similarity with model with model SPL-BA 200 (certificate n° C01-09C452003 r1 released by EuroTest Laboratori S.r.l. in date 20/05/2010) with differences in cell technology. This certificate is for type approval and based on voluntarily product test. The Manufacturing Inspection is conducted by TÜV INTERCERT on the base of the internal procedures.



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TUV
INTERCERT
Group of TÜV Saarland

12.04.2011 Dipl.-Ing/F. Sergizzarea
TÜV INTERCERT Certification Body

Am Bonner Bogen 2, D-53227 Bonn, 12.04.2011



Annex 2 of

Certificate No.

11-PPV-0005809/06-TIC

THE PHOTOVOLTAIC MODULES WITH THE MODELS

Types extended for similarity* with Mono cell technology without need of re-testing (according to IECEE "Retesting guideline"):

| Туре | Cell Number | Cell Size | Power [W] |
|--------------|-------------|-----------|-----------|
| SPL-AA1 125* | 30 | 6" | 125 |
| SPL-AA1 120* | 30 | 6" | 120 |
| SPL-AA1 115* | 30 | 6" | 115 |
| SPL-AA1 110* | 30 | 6" | 110 |
| SPL-AAR 100* | 25 | 6" | 100 |
| SPL-AAR 95* | 25 | 6" | 95 |
| SPL-AAR 90* | 25 | 6" | 90 |
| RTL-CS 100* | 24 | 6" | 100 |
| RTL-CS 95* | 24 | 6" | 95 |
| RTL-CS 90* | 24 | 6" | 90 |
| RTL-CS 85* | 24 | 6" | 85 |
| RPL-AA 75* | 18 | 6" | 75 |
| RPL-AA 70* | 18 | 6" | 70 |
| RTL-CD 75* | 18 | 6" | 75 |
| RTL-CD 70* | 18 | 6" | 70 |
| RTL-CDW 50* | 12 | 6" | 50 |
| RTL-CDW 45* | 12 | 6" | 45 |
| RTL-CDW 40* | 12 | 6" | 40 |
| RTL-CD 50* | 12 | 6" | 50 |
| RTL-CD 45* | 12 | 6" | 45 |
| RTL-CD 40* | 12 | 6" | 40 |

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INTERCERT
Group of TUV Saarland

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PGA 1683

Am Bonner Bogen 2, D-53227 Bonn, 12.04.2011

n, 12.04.2011 Dipl-Ing F Sefglezarea



Annex 3 of

Certificate No.

11-PPV-0005809/06-TIC

THE PHOTOVOLTAIC MODULES WITH THE MODELS

Types extended for similarity* with Mono cell technology without need of re-testing (according to IECEE "Retesting guideline"):

| Туре | Cell Number | Cell Size | Power [W] |
|---------------|-------------|-----------|-----------|
| RTL-CSI 100* | 24 | 6" | 100 |
| RTL-CSI 95* | 24 | 6" | 95 |
| RTL-CSI 90* | 24 | 6" | 90 |
| RTL-CSI 85* | 24 | 6" | 85 |
| RTL-BA2I 185* | 45 | 6" | 185 |
| RTL-BA2I 180* | 45 | 6" | 180 |
| RTL-BA2I 175* | 45 | 6" | 175 |
| RTL-BA2I 170* | 45 | 6" | 170 |
| RTL-BA2I 165* | 45 | 6" | 165 |
| SPL-BAI 220* | 54 | 6" | 220 |
| SPL-BAI 215* | 54 | 6" | 215 |
| SPL-BAI 210* | 54 | 6" | 210 |
| SPL-BAI 205* | 54 | 6" | 205 |
| SPL-EF 145* | 35 | 6" | 145 |
| SPL-EF 140* | 35 | 6" | 140 |
| SPL-EF 135* | 35 | 6" | 135 |
| SPL-EF 130* | 35 | 6" | 130 |
| SPL-EE 100* | 25 | 6" | 100 |
| SPL-EE 95* | 25 | 6" | 95 |
| SPL-EE 90* | 25 | 6" | 90 |
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TUV
INTERCERT
Group of TÜV Saarland

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Am Bonner Bogen 2, D-53227 Bonn, 12.04.201/1

04.2011 Dip. - Ing T. Sergizzerea



Certificate No.

11-PPV-0005809/06-TIC

WE HEREBY CERTIFY THAT THE PHOTOVOLTAIC MODULES WITH THE MODEL

SPL-BA 200

(Tested Type)

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MANUFACTURING & LICENSE HOLDER

SYSTEM PHOTONICS S.P.A.

Via Ghiarola Vecchia 73, I-41042 Fiorano Modenese (MO)

IS IN COMPLIANCE WITH THE REQUIREMENTS OF

IEC 61215:2005

Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval

&

IEC 61730-1: 2004 / IEC 61730-2: 2004

Photovoltaic (PV) module safety qualification
To be used in plants at a total voltage up to : 1000 Vdc (application Class A)

AS RESULT OF THE TEST IN OUR APPOINTED LABORATORY

EA ACCREDITED LABORATORY N. 0192

REPORT No. TIC-PVQ01-17382-100074, TIC-PVQ01-R1-17382-100074, TIC-PS1-17382-100074, TIC-PS201-R1-17382-100074

Expiring date 11.04.2016

(Providing that the testing basis continues unchanged)

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type SPL-BA 200. Further details on certified models are reported on the attachment. Technical data, materials and components description are into the indicated test reports. Any changes of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. The certification is performed on tested model as complete certification and retest performed according to IECEE "Retesting guideline" for similarity with model SPL-BA 200 (certificate n° C01-09C452003) it released by EuroFEE Laboratori S.r.l, in date 20/05/2010) with differences in cell technology. This certificate is for type approval and based on voluntarily product test. The Manufacturing Inspection is conducted by TÜV INTERCERT on the base of the internal procedures.







Am Bonner Bogen 2, D-53227 Bonn, 12.04.201

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| Tested Type | Cell Number | Cell Size | Cell Technology | Power [W] |
|-------------|-------------|-----------|-----------------|-----------|
| SPL-BA 200 | 54 | 6" | Mono | 200 |

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| Туре | Cell Number | Cell Size | Power [W] |
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| SPL-AA 135* | 36 | 6" | 135 |
| SPL-AA 130* | 36 | 6" | 130 |

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type SPL-BA 200. Technical data, materials and components description are into the indicated test reports. Any changes of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. The certification is performed on tested model as complete certification and retest performed according to IECEE "Retesting guideline" for similarity with model with model SPL-BA 200 (certificate n° C01-09C452003 r1 released by EuroTest Laboratori S.r.l. in date 20/05/2010) with differences in cell technology. This certificate is for type approval and based on voluntarily product test. The Manufacturing Inspection is conducted by TÜV INTERCERT on the base of the internal procedures.



DAT-ZE-030/09-00

TUV
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12.04.2011 Dipl.-Ing/F. Sergizzarea
TÜV INTERCERT Certification Body

Am Bonner Bogen 2, D-53227 Bonn, 12.04.2011



Annex 2 of

Certificate No.

11-PPV-0005809/06-TIC

THE PHOTOVOLTAIC MODULES WITH THE MODELS

Types extended for similarity* with Mono cell technology without need of re-testing (according to IECEE "Retesting guideline"):

| Туре | Cell Number | Cell Size | Power [W] |
|--------------|-------------|-----------|-----------|
| SPL-AA1 125* | 30 | 6" | 125 |
| SPL-AA1 120* | 30 | 6" | 120 |
| SPL-AA1 115* | 30 | 6" | 115 |
| SPL-AA1 110* | 30 | 6" | 110 |
| SPL-AAR 100* | 25 | 6" | 100 |
| SPL-AAR 95* | 25 | 6" | 95 |
| SPL-AAR 90* | 25 | 6" | 90 |
| RTL-CS 100* | 24 | 6" | 100 |
| RTL-CS 95* | 24 | 6" | 95 |
| RTL-CS 90* | 24 | 6" | 90 |
| RTL-CS 85* | 24 | 6" | 85 |
| RPL-AA 75* | 18 | 6" | 75 |
| RPL-AA 70* | 18 | 6" | 70 |
| RTL-CD 75* | 18 | 6" | 75 |
| RTL-CD 70* | 18 | 6" | 70 |
| RTL-CDW 50* | 12 | 6" | 50 |
| RTL-CDW 45* | 12 | 6" | 45 |
| RTL-CDW 40* | 12 | 6" | 40 |
| RTL-CD 50* | 12 | 6" | 50 |
| RTL-CD 45* | 12 | 6" | 45 |
| RTL-CD 40* | 12 | 6" | 40 |

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type SPL-BA 200. Technical data, materials and components description are into the indicated test reports. Any changes of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. The certification is performed on tested model as complete certification and retest performed according to IECEE "Retesting guideline" for similarity with model with model SPL-BA 200 (certificate n° C01-09C452003 r1 released by EuroTest Laboratori S.r.l. in date 20/05/2010) with differences in cell technology. This certificate is for type approval and based on voluntarily product test. The Manufacturing Inspection is conducted by TOV INTERCERT on the base of the internal procedures.



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INTERCERT
Group of TUV Saarland

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Am Bonner Bogen 2, D-53227 Bonn, 12.04.2011

n, 12.04.2011 Dipl-Ing F Sefglezarea



Annex 3 of

Certificate No.

11-PPV-0005809/06-TIC

THE PHOTOVOLTAIC MODULES WITH THE MODELS

Types extended for similarity* with Mono cell technology without need of re-testing (according to IECEE "Retesting guideline"):

| Туре | Cell Number | Cell Size | Power [W] |
|---------------|-------------|-----------|-----------|
| RTL-CSI 100* | 24 | 6" | 100 |
| RTL-CSI 95* | 24 | 6" | 95 |
| RTL-CSI 90* | 24 | 6" | 90 |
| RTL-CSI 85* | 24 | 6" | 85 |
| RTL-BA2I 185* | 45 | 6" | 185 |
| RTL-BA2I 180* | 45 | 6" | 180 |
| RTL-BA2I 175* | 45 | 6" | 175 |
| RTL-BA2I 170* | 45 | 6" | 170 |
| RTL-BA2I 165* | 45 | 6" | 165 |
| SPL-BAI 220* | 54 | 6" | 220 |
| SPL-BAI 215* | 54 | 6" | 215 |
| SPL-BAI 210* | 54 | 6" | 210 |
| SPL-BAI 205* | 54 | 6" | 205 |
| SPL-EF 145* | 35 | 6" | 145 |
| SPL-EF 140* | 35 | 6" | 140 |
| SPL-EF 135* | 35 | 6" | 135 |
| SPL-EF 130* | 35 | 6" | 130 |
| SPL-EE 100* | 25 | 6" | 100 |
| SPL-EE 95* | 25 | 6" | 95 |
| SPL-EE 90* | 25 | 6" | 90 |
| | | | |

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type SPL-BA 200. Technical data, materials and components description are into the indicated test reports. Any changes of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. The certification is performed on tested model as complete certification and retest performed according to IECEE "Retesting guideline" for similarity with model with model SPL-BA 200 (certificate n° C01-09C452003 r1 released by EuroTest Laboratori S.r.l. in date 20/05/2010) with differences in cell technology. This certificate is for type approval and based on voluntarily product test. The Manufacturing Inspection is conducted by TÜV INTERCERT on the base of the internal procedures.



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INTERCERT
Group of TÜV Saarland

TUV 60 CONTERCENTO CONTERCENTO

Am Bonner Bogen 2, D-53227 Bonn, 12.04.201/1

04.2011 Dip. - Ing T. Sergizzerea



Certificate No.

10-PPV-0005809/05-TIC

WE HEREBY CERTIFY THAT THE PHOTOVOLTAIC MODULES WITH THE MODEL

SPL-BA 200 (Tested Type)

And with Types extended for similarity*
- See Annex -

MANUFACTURING & LICENSE HOLDER

SYSTEM PHOTONICS S.P.A.

Via Ghiarola Vecchia 73 I-41042 Fiorano Modenese (MO)

IS IN COMPLIANCE WITH THE REQUIREMENTS OF

IEC 61701:1995

Salt mist corrosion testing of photovoltaic (PV) modules

AS RESULT OF THE TEST IN OUR APPOINTED LABORATORY

REPORT No. TIC-AR10TEST004

Expiring date 07.11.2015

(Providing that the testing basis continues unchanged)

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type SPL-BA 200. Further details on certified models are reported on the attachment. Technical data, materials and components description are into the indicated test reports. Any changes of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. The certification is performed on tested model as complete certification. This certificate is for type approval and based on voluntarily product test. The Manufacturing Inspection is conducted by TÜV INTERCERT on the base of the internal procedures.



DAT-ZE-030/09-00





Am Bonner Bogen 2, D-53227 Bonn, 08.11.2010

010 / Dipl:

Dipl. Ing. F. Sergizzarea

TUV INTERCERT Certification Body



Annex 1 of

Certificate No.

10-PPV-0005809/05-TIC

THE PHOTOVOLTAIC MODULES WITH THE MODELS

| Tested Type | Cell Number | Cell Size | Cell Technology | Power |
|-------------|-------------|-----------|-----------------|-------|
| SPL-BA 200 | 54 | 6" | mono | 200 |

Types extended for similarity* with Mono cell technology without need of re-testing (according to IECEE "Retesting guideline"):

| Type | Cell Number | Cell Size | Power [W] |
|--------------|-------------|-----------|-----------|
| SPL-BA 220* | 54 | 6" | 220 |
| SPL-BA 215* | 54 | 6" | 215 |
| SPL-BA 210* | 54 | 6" | 210 |
| SPL-BA 205* | 54 | 6" | 205 |
| SPL-BA1 195* | 48 | 6" | 195 |
| SPL-BA1 190* | 48 | 6" | 190 |
| STL-BA1 185* | 48 | 6" | 185 |
| STL-BA1 180* | 48 | 6" | 180 |
| STL-BA1 175* | 48 | 6" | 175 |
| STL-BA2 185* | 45 | 6" | 185 |
| STL-BA2 180* | 45 | 6" | 180 |
| STL-BA2 175* | 45 | 6" | 175 |
| STL-BA2 170* | 45 | 6" | 170 |
| STL-BA2 165* | 45 | 6" | 165 |
| SPL-AA 150* | 36 | 6" | 150 |
| SPL-AA 145* | 36 | 6" | 145 |
| SPL-AA 140* | 36 | 6" | 140 |

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type SPL-BA 200. Further details on certified models are reported on the attachment. Technical data, materials and components description are into the indicated test reports. Any changes of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. The certification is performed on tested model as complete certification. This certificate is for type approval and based on voluntarily product test. The Manufacturing Inspection is conducted by TÜV INTERCERT on the base of the internal procedures. procedures.



INTER CERT



Am Bonner Bogen 2, D-53227 Bonn, 08.11.2010

Diol - Ing. F. Sergizzarea TÜV INTERCERT Certification Body



Annex 2 of

Certificate No.

10-PPV-0005809/05-TIC

THE PHOTOVOLTAIC MODULES WITH THE MODELS

Types extended for similarity* with Mono cell technology without need of re-testing (according to IECEE "Retesting guideline"):

| Туре | Cell Number | Cell Size | Power [W] |
|--------------|-------------|-----------|-----------|
| SPL-AA 135* | 36 | 6" | 135 |
| SPL-AA 130* | 36 | 6" | 130 |
| SPL-AA1 125* | 30 | 6" | 125 |
| SPL-AA1 120* | 30 | 6" | 120 |
| SPL-AA1 115* | 30 | 6" | 115 |
| SPL-AA1 110* | 30 | 6" | 110 |
| SPL-AAR 100* | 25 | 6" | 100 |
| SPL-AAR 95* | 25 | 6" | 95 |
| SPL-AAR 90* | 25 | 6" | 90 |
| RTL-CS 100* | 24 | 6" | 100 |
| RTL-CS 90* | 24 | 6" | 90 |
| RTL-CS 95* | 24 | 6" | 95 |
| RTL-CS 85* | 24 | 6" | 85 |
| RPL-AA 75* | 18 | 6" | 75 |
| RPL-AA 70* | 18 | 6" | 70 |
| RTL-CD 75* | 18 | 6" | 75 |
| RTL-CD 70* | 18 | 6" | 70 |
| RTL-CDW 50* | 12 | 6" | 50 |
| RTL-CDW 45* | 12 | 6" | 45 |
| RTL-CDW 40* | 12 | 6" | 40 |
| RTL-CD 50* | 12 | 6" | 50 |
| RTL-CD 45* | 12 | 6" | 45 |
| RTL-CD 40* | 12 | 6" | 40 |

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type SPL-BA 200. Further details on certified models are reported on the attachment. Technical data, materials and components description are into the indicated test reports. Any changes of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. The certification is performed on tested model as complete certification. This certificate is for type approval and based on voluntarily product test. The Manufacturing Inspection is conducted by TÜV INTERCERT on the base of the internal procedures.



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Am Bonner Bogen 2, D-53227 Bonn, 08.11.2010

11.2010 / Di

Dipt.-Ing. F Sergizzarea

TUV INTERCERT Certification Body



Certificate No.

10-PPV-0005809/05-TIC

WE HEREBY CERTIFY THAT THE PHOTOVOLTAIC MODULES WITH THE MODEL

SPL-BA 200 (Tested Type)

And with Types extended for similarity*
- See Annex -

MANUFACTURING & LICENSE HOLDER

SYSTEM PHOTONICS S.P.A.

Via Ghiarola Vecchia 73 I-41042 Fiorano Modenese (MO)

IS IN COMPLIANCE WITH THE REQUIREMENTS OF

IEC 61701:1995

Salt mist corrosion testing of photovoltaic (PV) modules

AS RESULT OF THE TEST IN OUR APPOINTED LABORATORY

REPORT No. TIC-AR10TEST004

Expiring date 07.11.2015

(Providing that the testing basis continues unchanged)

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type SPL-BA 200. Further details on certified models are reported on the attachment. Technical data, materials and components description are into the indicated test reports. Any changes of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. The certification is performed on tested model as complete certification. This certificate is for type approval and based on voluntarily product test. The Manufacturing Inspection is conducted by TÜV INTERCERT on the base of the internal procedures.



DAT-ZE-030/09-00





Am Bonner Bogen 2, D-53227 Bonn, 08.11.2010

010 / Dipl:

Dipl. Ing. F. Sergizzarea

TUV INTERCERT Certification Body



Annex 1 of

Certificate No.

10-PPV-0005809/05-TIC

THE PHOTOVOLTAIC MODULES WITH THE MODELS

| Tested Type | Cell Number | Cell Size | Cell Technology | Power |
|-------------|-------------|-----------|-----------------|-------|
| SPL-BA 200 | 54 | 6" | mono | 200 |

Types extended for similarity* with Mono cell technology without need of re-testing (according to IECEE "Retesting guideline"):

| Type | Cell Number | Cell Size | Power [W] |
|--------------|-------------|-----------|-----------|
| SPL-BA 220* | 54 | 6" | 220 |
| SPL-BA 215* | 54 | 6" | 215 |
| SPL-BA 210* | 54 | 6" | 210 |
| SPL-BA 205* | 54 | 6" | 205 |
| SPL-BA1 195* | 48 | 6" | 195 |
| SPL-BA1 190* | 48 | 6" | 190 |
| STL-BA1 185* | 48 | 6" | 185 |
| STL-BA1 180* | 48 | 6" | 180 |
| STL-BA1 175* | 48 | 6" | 175 |
| STL-BA2 185* | 45 | 6" | 185 |
| STL-BA2 180* | 45 | 6" | 180 |
| STL-BA2 175* | 45 | 6" | 175 |
| STL-BA2 170* | 45 | 6" | 170 |
| STL-BA2 165* | 45 | 6" | 165 |
| SPL-AA 150* | 36 | 6" | 150 |
| SPL-AA 145* | 36 | 6" | 145 |
| SPL-AA 140* | 36 | 6" | 140 |

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type SPL-BA 200. Further details on certified models are reported on the attachment. Technical data, materials and components description are into the indicated test reports. Any changes of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. The certification is performed on tested model as complete certification. This certificate is for type approval and based on voluntarily product test. The Manufacturing Inspection is conducted by TÜV INTERCERT on the base of the internal procedures. procedures.



INTER CERT



Am Bonner Bogen 2, D-53227 Bonn, 08.11.2010

Diol - Ing. F. Sergizzarea TÜV INTERCERT Certification Body



Annex 2 of

Certificate No.

10-PPV-0005809/05-TIC

THE PHOTOVOLTAIC MODULES WITH THE MODELS

Types extended for similarity* with Mono cell technology without need of re-testing (according to IECEE "Retesting guideline"):

| Туре | Cell Number | Cell Size | Power [W] |
|--------------|-------------|-----------|-----------|
| SPL-AA 135* | 36 | 6" | 135 |
| SPL-AA 130* | 36 | 6" | 130 |
| SPL-AA1 125* | 30 | 6" | 125 |
| SPL-AA1 120* | 30 | 6" | 120 |
| SPL-AA1 115* | 30 | 6" | 115 |
| SPL-AA1 110* | 30 | 6" | 110 |
| SPL-AAR 100* | 25 | 6" | 100 |
| SPL-AAR 95* | 25 | 6" | 95 |
| SPL-AAR 90* | 25 | 6" | 90 |
| RTL-CS 100* | 24 | 6" | 100 |
| RTL-CS 90* | 24 | 6" | 90 |
| RTL-CS 95* | 24 | 6" | 95 |
| RTL-CS 85* | 24 | 6" | 85 |
| RPL-AA 75* | 18 | 6" | 75 |
| RPL-AA 70* | 18 | 6" | 70 |
| RTL-CD 75* | 18 | 6" | 75 |
| RTL-CD 70* | 18 | 6" | 70 |
| RTL-CDW 50* | 12 | 6" | 50 |
| RTL-CDW 45* | 12 | 6" | 45 |
| RTL-CDW 40* | 12 | 6" | 40 |
| RTL-CD 50* | 12 | 6" | 50 |
| RTL-CD 45* | 12 | 6" | 45 |
| RTL-CD 40* | 12 | 6" | 40 |

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type SPL-BA 200. Further details on certified models are reported on the attachment. Technical data, materials and components description are into the indicated test reports. Any changes of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. The certification is performed on tested model as complete certification. This certificate is for type approval and based on voluntarily product test. The Manufacturing Inspection is conducted by TÜV INTERCERT on the base of the internal procedures.



TUV



Am Bonner Bogen 2, D-53227 Bonn, 08.11.2010

11.2010 / Di

Dipt.-Ing. F Sergizzarea

TUV INTERCERT Certification Body



DET NORSKE VERITAS

JUALITY MANAGEMENT SYSTEM CERTIFICATE

Certificato No. / Certificate No. 76691-2010-AQ-ITA-SINCERT

Si attesta che / This certifies that

Il sistema di gestione per la qualità di / the quality management system of

SYSTEM PHOTONICS S.p.A.

Via Ghiarola Vecchia, 73 - 41042 Fiorano Modenese (MO) - Italy

È conforme ai requisiti della norma per i sistemi di gestione per la qualità Conforms to the quality management systems standard

UNI EN ISO 9001:2008 (ISO 9001:2008)

Questa certificazione è valida per il seguente campo applicativo: This certificate is valid for the following products or services:

(Ulteriori chiarimenti riguardanti lo scopo e l'applicabilità dei requisiti della normativa si possono ottenere consultando l'organizzazione certificata) (Further clarifications regarding the scope and the applicability of the requirements of the standard(s) may be obtained by consulting the certified organization)

Progettazione, produzione e vendita di lastre fotovoltaiche

Design production and sale of photovoltaic plates

Data di scadenza Expiry Date

2013-04-23

per l'Organismo di Certificazione for the Accredited Unit

DET NORSKE VERITAS ITALIA S.R.L.

Vittore Marangon

Management Representative

Luogo e data Place and date

Agrate Brianza, (MI) 2010-04-23

Settore EA: 19

Francesco Spaggiari

Lead Auditor

La validità del presente certificato è subordinata a sorveglianza periodica (ogni 6, 9 o 12 mesi) e al riesame completo del sistema con periodicità triennale The validity of this certificate is subject to periodical audits (every 6, 9 or 12 months) and the complete re-assessment of the system every three years

o degli Accordi di Mutuo Riconoscimento EA e IAF vry of EA and IAF Mutual Recognition Agreements



DET NORSKE VERITAS

JUALITY MANAGEMENT SYSTEM CERTIFICATE

Certificato No. / Certificate No. 76691-2010-AQ-ITA-SINCERT

Si attesta che / This certifies that

Il sistema di gestione per la qualità di / the quality management system of

SYSTEM PHOTONICS S.p.A.

Via Ghiarola Vecchia, 73 - 41042 Fiorano Modenese (MO) - Italy

È conforme ai requisiti della norma per i sistemi di gestione per la qualità Conforms to the quality management systems standard

UNI EN ISO 9001:2008 (ISO 9001:2008)

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Progettazione, produzione e vendita di lastre fotovoltaiche

Design production and sale of photovoltaic plates

Data di scadenza Expiry Date

2013-04-23

per l'Organismo di Certificazione for the Accredited Unit

DET NORSKE VERITAS ITALIA S.R.L.

Vittore Marangon

Management Representative

Luogo e data Place and date

Agrate Brianza, (MI) 2010-04-23

Settore EA: 19

Francesco Spaggiari

Lead Auditor

La validità del presente certificato è subordinata a sorveglianza periodica (ogni 6, 9 o 12 mesi) e al riesame completo del sistema con periodicità triennale The validity of this certificate is subject to periodical audits (every 6, 9 or 12 months) and the complete re-assessment of the system every three years

o degli Accordi di Mutuo Riconoscimento EA e IAF vry of EA and IAF Mutual Recognition Agreements