

CERTIFICATE

Issued to:
Applicant:
Aplicaciones Técnicas de la Energía, S.L.
Poligono Industrial El Oliveral. Calle A Nave 6 D y E.
Ribarroja del Turia
46394 Valencia, Spain

Product : Crystalline Silicon PV Modules
Trade name(s) : ATERSA
Type(s)/model(s) : PV Module with mono c-Si cells and PV Module with poly c-Si cells

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard(s) EN IEC 61701:2020 and IEC 61701:2020
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 6059484
- the licensee is registered with the number 43796

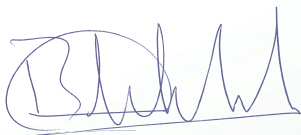
DEKRA hereby grants the right to use the DEKRA Seal certification mark.

The DEKRA Seal certification mark may be applied to the product as specified in this certificate for the duration and under the conditions of the DEKRA Seal certification agreement.

This certificate is issued on 28 February 2023 and expires at the latest on 29 February 2028.

Certificate number: 31-127410

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



C. Lin
Certification Manager

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SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Crystalline Silicon PV Modules
Trade name(s)	: ATERSA
Type(s)/model(s)	: A-xxxM GS, A-xxxM GS 1.5, A-xxxM GS 108 M7 1.5, A-xxxM GS 120 M12 1.5, A-xxxM GS 120 M3, A-xxxM GS 120 M3 1.5, A-xxxM GS 120 M6, A-xxxM GS 120 M6 1.5, A-xxxM GS 120 M7 1.5, A-xxxM GS 132 M12 1.5, A-xxxM GS 132 M7 1.5, A-xxxM GS 144 M3, A-xxxM GS 144 M3 1.5, A-xxxM GS 144 M6, A-xxxM GS 144 M6 1.5, A-xxxM GS 144 M7 1.5, A-xxxM GS 36, A-xxxM GS 36 1.5, A-xxxM GS 36 M3, A-xxxM GS 36 M3 1.5, A-xxxM GS 60 M3, A-xxxM GS 60 M3 1.5, A-xxxM GS 72, A-xxxM GS 72 1.5, A-xxxM GS 72 M3, A-xxxM GS 72 M3 1.5, A-xxxP GS, A-xxxP GS 1.5, A-xxxP GS 36, A-xxxP GS 36 1.5, A-xxxP GS 60, A-xxxP GS 60 1.5, A-xxxP GS 72 and A-xxxP GS 72 1.5
Test Method	: 6

Product data – type A-xxxM GS

Maximum system voltage	: 1000V
Design	: PV module with mono c-Si cells
Description	: xxx=190-210W, in steps of 5, 72 cells xxx=100W, 36 cells

Product data – type A-xxxM GS 1.5

Maximum system voltage	: 1500V
Design	: PV module with mono c-Si cells
Description	: xxx=190-210W, in steps of 5, 72 cells xxx=100W, 36 cells

Product data – type A-xxxM GS 108 M7 1.5

Maximum system voltage	: 1500V
Design	: PV module with mono c-Si cells
Description	: xxx=395-420W, in steps of 5, 108 cells

Product data – type A-xxxM GS 120 M12 1.5

Maximum system voltage	: 1500V
Design	: PV module with mono c-Si cells
Description	: xxx=590-610W, in steps of 5, 120 cells

Product data – type A-xxxM GS 120 M3

Maximum system voltage	: 1000V
Design	: PV module with mono c-Si cells
Description	: xxx=320-350W, in steps of 5, 120 cells

Product data – type A-xxxM GS 120 M3 1.5

Maximum system voltage	: 1500V
Design	: PV module with mono c-Si cells
Description	: xxx=320-350W, in steps of 5, 120 cells

Product data – type A-xxxM GS 120 M6

Maximum system voltage : 1000V
Design : PV module with mono c-Si cells
Description : xxx=360-380W, in steps of 5, 120 cells

Product data – type A-xxxM GS 120 M6 1.5

Maximum system voltage : 1500V
Design : PV module with mono c-Si cells
Description : xxx=360-380W, in steps of 5, 120 cells

Product data – type A-xxxM GS 120 M7 1.5

Maximum system voltage : 1500V
Design : PV module with mono c-Si cells
Description : xxx=435-460W, in steps of 5, 120 cells

Product data – type A-xxxM GS 132 M12 1.5

Maximum system voltage : 1500V
Design : PV module with mono c-Si cells
Description : xxx=650-670W, in steps of 5, 132 cells

Product data – type A-xxxM GS 132 M7 1.5

Maximum system voltage : 1500V
Design : PV module with mono c-Si cells
Description : xxx=490-510W, in steps of 5, 132 cells

Product data – type A-xxxM GS 144 M3

Maximum system voltage : 1000V
Design : PV module with mono c-Si cells
Description : xxx=385-420W, in steps of 5, 144 cells

Product data – type A-xxxM GS 144 M3 1.5

Maximum system voltage : 1500V
Design : PV module with mono c-Si cells
Description : xxx=385-420W, in steps of 5, 144 cells

Product data – type A-xxxM GS 144 M6

Maximum system voltage : 1000V
Design : PV module with mono c-Si cells
Description : xxx= 430-455W, in steps of 5, 144 cells

Product data – type A-xxxM GS 144 M6 1.5

Maximum system voltage : 1500V
Design : PV module with mono c-Si cells
Description : xxx=430-455W, in steps of 5, 144 cells

Product data – type A-xxxM GS 144 M7 1.5

Maximum system voltage : 1500V

Design : PV module with mono c-Si cells
Description : xxx=520-550W, in steps of 5, 144 cells

Product data – type A-xxxM GS 36

Maximum system voltage : 1000V
Design : PV module with mono c-Si cells
Description : xxx=150-180W, in steps of 5, 36 cells
xxx=120W, 36 cells
xxx=100W, 36 cells
xxx=70-80W, in steps of 5, 36 cells
xxx=50W, 36 cells
xxx=30-40W, in steps of 5, 36 cells

Product data – type A-xxxM GS 36 1.5

Maximum system voltage : 1500V
Design : PV module with mono c-Si cells
Description : xxx=150-180W, in steps of 5, 36 cells
xxx=120W, 36 cells
xxx=100W, 36 cells
xxx=70-80W, in steps of 5, 36 cells
xxx=50W, 36 cells
xxx=30-40W, in steps of 5, 36 cells

Product data – type A-xxxM GS 36 M3

Maximum system voltage : 1000V
Design : PV module with mono c-Si cells
Description : xxx=185-205W, in steps of 5, 36 cells

Product data – type A-xxxM GS 36 M3 1.5

Maximum system voltage : 1500V
Design : PV module with mono c-Si cells
Description : xxx=185-205W, in steps of 5, 36 cells

Product data – type A-xxxM GS 60 M3

Maximum system voltage : 1000V
Design : PV module with mono c-Si cells
Description : xxx=305-350W, in steps of 5, 60 cells

Product data – type A-xxxM GS 60 M3 1.5

Maximum system voltage : 1500V
Design : PV module with mono c-Si cells
Description : xxx=305-350W, in steps of 5, 60 cells

Product data – type A-xxxM GS 72

Maximum system voltage : 1000V
Design : PV module with mono c-Si cells
Description : xxx=210-220W, in steps of 5, 72 cells

Product data – type A-xxxM GS 72 1.5

Maximum system voltage : 1500V

Design : PV module with mono c-Si cells
Description : xxx=210-220W, in steps of 5, 72 cells

Product data – type A-xxxM GS 72 M3

Maximum system voltage : 1000V
Design : PV module with mono c-Si cells
Description : xxx=370-415W, in steps of 5, 72 cells

Product data – type A-xxxM GS 72 M3 1.5

Maximum system voltage : 1500V
Design : PV module with mono c-Si cells
Description : xxx=370-415W, in steps of 5, 72 cells

Product data – type A-xxxP GS

Maximum system voltage : 1000V
Design : PV module with poly c-Si cells
Description : xxx=190-210W, in steps of 5, 72 cells
xxx=100W, 36 cells

Product data – type A-xxxP GS 1.5

Maximum system voltage : 1500V
Design : PV module with poly c-Si cells
Description : xxx=190-210W, in steps of 5, 72 cells
xxx=100W, 36 cells

Product data – type A-xxxP GS 36

Maximum system voltage : 1000V
Design : PV module with poly c-Si cells
Description : xxx=155-175W, in steps of 5, 36 cells
xxx=100W, 36 cells
xxx=70-80W, in steps of 5, 36 cells
xxx=50W, 36 cells
xxx=30-40W, in steps of 5, 36 cells

Product data – type A-xxxP GS 36 1.5

Maximum system voltage : 1500V
Design : PV module with poly c-Si cells
Description : xxx=155-175W, in steps of 5, 36 cells
xxx=100W, 36 cells
xxx=70-80W, in steps of 5, 36 cells
xxx=50W, 36 cells
xxx=30-40W, in steps of 5, 36 cells

Product data – type A-xxxP GS 60

Maximum system voltage : 1000V
Design : PV module with poly c-Si cells
Description : xxx=260-295W, in steps of 5, 60 cells

Product data – type A-xxxP GS 60 1.5

Maximum system voltage : 1500V

Design : PV module with poly c-Si cells
Description : xxx=260-295W, in steps of 5, 60 cells

Product data – type A-xxxP GS 72

Maximum system voltage : 1000V
Design : PV module with poly c-Si cells
Description : xxx=310-355W, in steps of 5, 72 cells
xxx=200-210W, in steps of 5, 72 cells

Product data – type A-xxxP GS 72 1.5

Maximum system voltage : 1500V
Design : PV module with poly c-Si cells
Description : xxx=310-355W, in steps of 5, 72 cells
xxx=200-210W, in steps of 5, 72 cells

TESTS**Test requirements**

EN IEC 61701:2020
IEC 61701:2020

Test result

The test results are laid down in DEKRA test file 614775100.

Additional information

The list of components is laid down in test report 6147751A.50.

Conclusion

The examination proved that all requirements were met.

Factory location

The factory location is registered with the number 43796.

Unique Identifier

