CERTIFICATE PV/25/BRU/0072

Order number:	Test report reference:	Issue date:	Certificate is valid until:
634740/01	SHES241102201501, SHES241102201502	26/03/2025	26/03/2028

License Holder:
Mana Energy Pak
Saeedi Industrial Zone, Shahabiye, Markazi Provinces,
3896132835, Markazi Provinces
Iran

Manufacturing Plant:
Mana Energy Pak
Saeedi Industrial Zone, Shahabiye, Markazi Provinces,
3896132835, Markazi Provinces
Iran

Tested according to:

EN 61215-1:2021 / IEC 61215-1:2021
EN 61215-1-1:2021 / IEC 61215-1-1:2021
EN 61215-2:2021 / IEC 61215-2:2021

IEC 61730-1:2023
IEC 61730-2:2023

Licensed Test Mark:

SGS IEC 61215 IEC 61730 Periodical Inspection

The evaluated samples of the product fulfil the requirements of the above listed standards.
The manufacturing process has been inspected prior to certification and is subject to regular supervision by SGS Group affiliates.
The license holder is authorized to mark the described product with the SGS Solar mark as shown above.

Certified Product: **Crystalline Silicon PV modules**

Type designations: With Mono-crystalline Silicon Solar Cells:

MEPxxx-P72-GB (xxx=360~410w, in steps of 5W, 72 cells)
MEPxxx-P144-GB (xxx=520~570w, in steps of 5W,144 cells)
MEPxxx-P144-GG (xxx=520~570w, in steps of 5W,144 cells)
MEPxxx-T144-GB (xxx=565~600w, in steps of 5W,144 cells)
MEPxxx-T144-GG (xxx=565~600w, in steps of 5W,144 cells)
MEPxxx-P132-GB (xxx=640~690w, in steps of 5W,132 cells)
MEPxxx-P132-GG (xxx=640~690w, in steps of 5W,132 cells)
MEPxxx-T132R-GG (xxx=610~635w, in steps of 5W,132 cells)
MEPxxx-T132-GG (xxx=685~710w, in steps of 5W,132 cells)
MEPxxx-T120-GG (xxx=620~645w, in steps of 5W,120 cells)
MEPxxx-T108-GG (xxx=555~580w, in steps of 5W,108 cells)

Certification body for products

Calogero Lana

SGS Belgium NV - Division SGS CEBEC
Riverside Business Park, Avenue Internationalelaan 55, Build. A, B-1070 Brussels,
Belgium certificates@sgs.com • http://www.ee.sgs.com/sgs-photovoltaic-certification.htm

NCB SGS Belgium N.V. - Division SGS-CEBEC is a Photovoltaics Member in the Worldwide System for Conformity Testing and Certification of Electrotechnical Equipment and Components (IECEE). Please see http://www.iecee.org/pv/html/pvcntris.htm

This certificate is issued by the company under its General Conditions for Certification Services accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitations of liability defined therein and in the Test Report here above mentioned which findings are reflected in this Certificate. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

The test mark regulation is an integral part of this certificate.
Please refer to the latest version at http://www.ee.sgs.com

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MEPxxx-T96-GG (xxx=495~520w, in steps of 5W,96 cells)

MEPxxx-T84-GG (xxx=430~455w, in steps of 5W,84cells)

With Poly-crystalline Silicon Solar Cells :

MEPxxx-M72-GB (xxx=300~350w, in steps of 5W, 72 cells)

(for details of the series see test report)

Trademarks: MANA ENERGY مانا انرژی

Technical Data: Max. System voltage: 1500V, Maximum Over-Current Protection: 35A.

Further Details of certified solar modules are reported on the test report.

Remarks: The certificate is for type approval and based on voluntarily product test. Any changes to the design, materials, components or processing may require repetition of some of the qualification tests in order to retain type approval. The certificate is limited to the tested prototypes.

Certification body for products

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