

Certificate



This certifies that the company:

INSOLATION GREEN ENERGY PRIVATE LIMITED

Building No./Flat No.: Khasara no- 73 part, 74 and 66, C-2,
1st and 11nd Floor Road/Street: New Atish Market Extension,
Vill Sukhalpura, Mansarovar, Jaipur, Rajasthan-302020,
INDIA

is authorized to provide the product(s) mentioned below with the mark as illustrated.

Manufacturer and factory(-ies): See Annex 1

Description of product(s) **Crystalline Silicon Terrestrial Photovoltaic (PV) Modules**
(details see Annex 2):

Certification program: P12-VA-01 Rev. 17 / 09.20

Certification fundamental(s): IEC 61215-1:2021 / EN IEC 61215-1:2021,
IEC 61215-1-1:2021 / EN IEC 61215-1-1:2021, IEC 61215-2:2021 / EN IEC 61215-2:2021,
IEC 61730-1:2023, IEC 61730-2:2023

It is certified by TÜV NORD CERT GmbH that the product(s) described above has(have) been assessed according to the certification program mentioned above and found in compliance with the requirements of above specified certification fundamental(s). This certification is based on evaluation results as documented in test report(s) referenced below and production site(s) audit results as documented in factory inspection report(s) referenced in Annex 1. This certificate is valid in conjunction with these quoted report(s).

Registration no.: 44 780 25 406749 - 293
Report no.: 492014128.001
File no.: PVP06045/25P-01

Valid from: 2025-12-30
Valid until: 2030-12-29

Essen, 2025-12-30

Certification Body - Consumer Products

TÜV NORD CERT GmbH
Am TÜV 1, 45307 Essen, Germany
tuev-nord-cert.de | prodcert@tuev-nord.de

Please also pay attention to the information stated overleaf.



Visit our database to verify the validity of this certificate.

Annex 1

to certificate registration no. 44 780 25 406749 - 293

Manufacturer: **INSOLATION GREEN ENERGY PRIVATE LIMITED**
Building No./Flat No.: Khasara no- 73 part, 74 and 66, C-2, 1st and 11nd Floor Road/Street:
New Atish Market Extension, Vill Sukhalpura, Mansarovar, Jaipur, Rajasthan-302020, INDIA

Factory 1: **INSOLATION GREEN ENERGY PRIVATE LIMITED**
KHASRA NO. 4205/3454, 4207/3460, 3447-3452, 4383/3458, 3488 -3498,3500 -3509,
3511, VILLAGE - SAWARDA TEH -MAUZAMABAD, DUDU, RAJASTHAN, India-303348, INDIA

Factory inspection report no.: 862011119.001

Factory 2: **INSOLATION GREEN ENERGY PRIVATE LIMITED**
Khasra No. 11/1, 1136B, Chomu, Jatavali, Jaipur, Rajasthan, India -
302001, INDIA

Factory inspection report no.: 862011120.001

Remark: Factory inspection is mandatory to be performed annually. Please refer to factory inspection report for detailed information.

Essen, 2025-12-30

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Annex 2

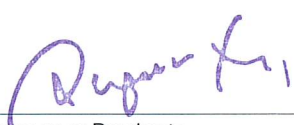
to certificate registration no. 44 780 25 406749 - 293

Description of product(s):

| | |
|--|---|
| Module types: | <p>Double glass PV Modules with Half-cut 182.2*183.75mm n-Type TOPCon Silicon Solar Cells: 156 Cells: INA-156THC-GGF-xxx (xxx=605-650, in steps of 5) 144 Cells: INA-144THC-GGF-xxx (xxx=545-600, in steps of 5) 132 Cells: INA-132THC-GGF-xxx (xxx=520-540, in steps of 5) 120 Cells: INA-120THC-GGF-xxx (xxx=500) 108 Cells: INA-108THC-GGF-xxx (xxx=450) xxx indicates rated output power generated from front side under STC</p> |
| Maximum system voltage: | 1500V |
| Maximum overcurrent protection rating: | 30A |
| Electrical protection class: | Class II |
| Pollution degree: | 1 |
| 98 th percentile module operating temperature (T ₉₈): | 70°C |
| Design load (positive / negative): | 3600Pa / 1600Pa |
| Safety factors: | 1.5 |
| Fire safety class: | Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018), |
| Isc bifaciality coefficient (ϕ _{Isc}): | 80% ± 10% |

| | |
|--|---|
| Module types: | <p>Double glass PV Modules with Half-cut 182.2*210mm n-Type TOPCon Silicon Solar Cells: 132 Cells: INA132T210RGGFxxx (xxx=600-650, in steps of 5) 120 Cells: INA120T210RGGFxxx (xxx=545-575, in steps of 5) 108 Cells: INA108T210RGGFxxx (xxx=490-520, in steps of 5) xxx indicates rated output power generated from front side under STC</p> |
| Maximum system voltage: | 1500V |
| Maximum overcurrent protection rating: | 30A |
| Electrical protection class: | Class II |
| Pollution degree: | 1 |

Essen, 2025-12-30



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Annex 2

to certificate registration no. 44 780 25 406749 - 293

| | |
|--|---|
| 98 th percentile module operating temperature (T_{98}): | 70°C |
| Design load (positive / negative): | 3600Pa / 1600Pa |
| Safety factors: | 1.5 |
| Fire safety class: | Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018), |
| Isc bifaciality coefficient (ϕ_{Isc}): | 80% \pm 10% |

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) with the same file no.
Isc bifaciality coefficient (ϕ_{Isc}) = $I_{sc_{rear}}/I_{sc_{front}}$, as defined in IEC TS 60904-1-2.
The tolerance of Isc bifaciality coefficient (ϕ_{Isc}) is claimed by client.

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