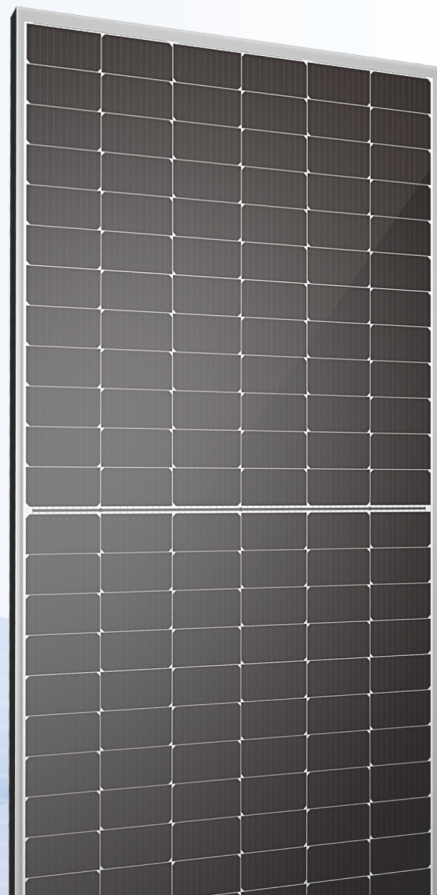
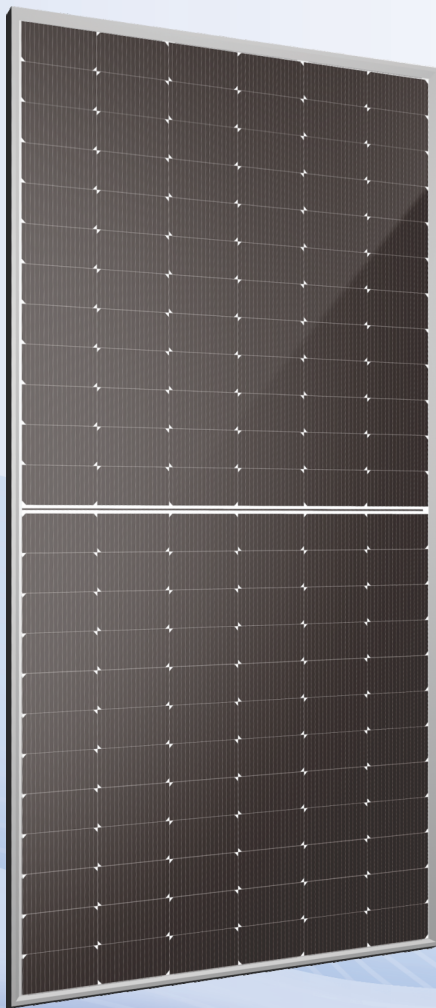




# WARRANTY CARD

#GetSUNplugged



**\*Caution:** Please read safety and installation instructions before using the product

**\*\*Warranty:** Please read Adani Solar Warranty Documents thoroughly.

**Contact us:** Sales Queries: +91 9099008886 | Technical Queries: +91 9099008887  
Email: [cs@adani.com](mailto:cs@adani.com) | Website: [www.adanisolar.com](http://www.adanisolar.com)

## INDEX

1. WARRANTED PRODUCTS .....	2
2. LIMITED PRODUCT WARRANTY .....	2
Repair, Replacement or Refund .....	2
3. LINEAR POWER/PERFORMANCE WARRANTY-25/ 30 YEARS .....	3
4. LIMITED REMEDY .....	3
5. EXCLUSIONS AND LIMITATIONS .....	4
6. LIMITATION OF WARRANTY SCOPE .....	5
a. Disclaimer .....	5
b. Limitation of Liability. ....	5
7. WARRANTY CLAIM SUBMISSION AND VERIFICATION .....	6
8. SEVERABILITY .....	7
9. TECHNICAL DISPUTES .....	7
10. MISCELLANEOUS .....	7
11. WARRANTY TRANSFER .....	8
12. FORCE MAJEURE .....	8
13. VALIDITY .....	8
14. LINEAR POWER PERFORMANCE WARRANTY TABLE .....	9
ASM- Models (Monofacial) .....	9
ASB-Model: Glass to Glass & Glass to Transparent Backsheet(Bifacial) .....	10
N-TOPCon ASB/AB-G12R - Model: Glass to Glass & Glass to Transparent Backsheet (Bifacial) .....	11
15. CONTACT DETAILS .....	11

## 1. WARRANTED PRODUCTS

Mundra Solar Energy Limited (MSEL) and Mundra Solar PV Limited (MSPVL) PV modules are supplied with limited product and linear performance warranty. Module model numbers covered under this warranty are mentioned in the table below

S. No	Model No	Types
1	ASM-M10-XXX-XXX	Monofacial
2	ASB-M10-XXX-XXX	Bifacial
3	AB-G12R-XXX-XXX	(Glass to Glass & Glass to Transparent Backsheet)

## 2. LIMITED PRODUCT WARRANTY

### Repair, Replacement or Refund

MSEL/MSPVL PV modules made with M10-144, cells have 12 yrs product warranty starting from warranty start date (refer "validity section 13"). If any module fails to fulfill warranty as described in this section 2, MSEL/MSPVL at its sole discretion:

- Either will repair or replace the module: or,
- As compensation, will refund the depreciated price of the solar module paid by the customer.

Any type of deterioration in appearance of the product (including any aesthetic defects, strain, rust, spot, scratches, mechanical wear) any other changes in the product that can occur post-delivery to the customer does not constitute defects under this limited warranty. These types of changes in solar module do not lead to any deterioration in the operational capabilities of the modules.

In case of glass breakage, claim shall only be enforceable to extent that there was no external cause (natural or manmade) for the breakage.

The foregoing remedies shall be MSEL's/MSPVL's sole and exclusive obligation, and the customer's sole and exclusive remedy, for any module's failure to conform to the limited warranty in this section 2, and any repair or replacement shall not extend the warranty period set forth herein. Section 2 of warranty section does not warrant specific power output; it is exclusively covered in section 3 of the linear power warranty.





### 3. LINEAR POWER/PERFORMANCE WARRANTY - 25/ 30 YEARS

From the start of defined warranty date, the first year power performance of Monofacial PV module is 98.00%, after that from year two (2) till year twenty-five (25), the maximum degradation is 0.55 % per year decrease from the nominal power output of the solar module and in the ending of 25th year with the 84.80% of the nominal power tested under STC of 25°C, 1.5 AM, 1000 W/m<sup>2</sup> as mentioned in the PV Module product datasheet. Solar module performance warranty table as given in "Section 14" of this document.

From the start of defined warranty date, the first year power performance of Bifacial PV module (front side only) is 98.00%\* or 99.00%\*\*, after that from year two (2) till year thirty (30), the maximum degradation is 0.45%\* or 0.40%\*\* per year decrease from the nominal power output of the solar module and in the ending of 30<sup>th</sup> year with the 84.95 %\* or 87.40%\*\* of the nominal power tested under STC of 25°C, 1.5 AM, 1000 W/m<sup>2</sup> as mentioned in the PV Module product datasheet. Solar module performance warranty table as given in "Section 14" of this document. (\*: Mono PERC, \*\*: NTOPCon)

MSEL/MSPVL doesn't give warranty on the power generated from rear side the PV module and also doesn't give guaranty on voltage & current parameter for bifacial module rear side measurement, as mentioned in product datasheet.

The degradation Rate is  $DR = 1.00 - [(PO_{act}) / (PO_n)]$


$PO_{act}$  = Actual Power at STC Conditions as mentioned in section 4.  $PO_n$  = Nominal Power.

Solar module performance warranty table is attached in "Section 14" of this document for all Monofacial (ASM Series) & Bifacial (ASB/AB-G12R Series) PV Modules.

### 4. LIMITED REMEDY

Above and after the warranty start date as mentioned in section 13 of this document, in Section 3 above any Solar Module power output goes less than the nominal power performance as printed on the original product label and the output power warranted in Section 14 Warranted Power (WP) and if such reduction in output power noticed below the WP due to any defect in materials or workmanship under normal application, use and service conditions, MSEL/MSPVL will remedy such decrease in power, at its reasonable option by



- 
- a) Repair the defective module or replace the module, or,
  - b) Post taking corrective actions, to overcome the reduction in output power, MSEL/MSPVL to only provide additional module to the customer so that degraded power is compensated by additional modules.

It shall be liability of the customer to mount additional PV module at this own cost and expenses for determining the output power of the solar module, which is to be tested along with Junction box terminal according to IEC61215 and measurements must be at STC (Standard Test Conditions) i.e., 1000W/m<sup>2</sup> irradiance with cell temperature of 25 °C and Air mass of AM 1.5 light spectrum & all measurement uncertainty shall be counted when determining module's output power, according to standard IEC 60904. The forgoing remedies shall be MSEL's/MSPVL's sole obligation and the customer's remedy, for any module failure to confirm to the warranty in Section 3 and repair or replacement shall not extend the Warranty period set forth herein.

## 5. EXCLUSIONS AND LIMITATIONS

In addition to any other exclusion, limitations or conditions set forth in this limited warranty, the following exclusions and limitations, inclusive but not limited to apply hereto:

- a) All warranty claims must be received within the applicable warranty period of this warranty to effective.
- b) This limited warranty does not apply to any module which, in MSEL's / MSPVL's sole judgment, has been subjected to
  - i. Misuse, neglect or accident, tampering, abuse, misuse.
  - ii. Improper handling, transportation or storage.
  - iii. Improper installation or application, alteration.
  - iv. Non-compliance with instructions in the installation manual.
  - v. Any type of repair or modifications by someone other than authorized service technicians of MSEL/MSPVL.
  - vi. Installation of solar module in direct contact with the salt water, which is offshore (e.g., platforms) and marine (e.g., boats, piers) applications, or contamination resulting from exceptional exposure to salt water or other chemicals.
  - vii. Fire, power failure, surges, installation failure, lightning, floods, natural disaster, vandalism, accidental breakage, load of heavy snow, damage or any other cause which are outside control of MSEL/MSPVL. Willful misconduct or negligence or other improper acts or omissions of the customer, its employees or agents, or other third parties.



- c) It is the responsibility of customer (and / or its forwarding company) to inspect and accept the solar modules supplied by MSEL/MSPVL. Any claim linked or related to damages in the packaging, like impact on pallets, MSEL/MSPVL will only accept if this occurs during delivery at site itself and if transportation under MSEL/MSPVL scope. In all other cases, damages should be claimed from the forwarding company or insurance company.
- d) The customer has to log such complains within 48 hours of module received at site.
- e) If any solar module serial number has been altered, removed or made illegible, in that case warranty claim will not be approved by MSEL/MSPVL.
- f) All modules will be sold only as per data sheet and any criteria outside data sheet will not be covered under limited product or linear power warranty.
- g) Fail to provide proof of 100% payment invoice/s or product information.
- h) Fail to match shipping address as per invoices.

For warranty to be honored to customer, this serial number of solar modules should remain intact and untampered.

Example of Serial Number: **MS2101301BXXXX (MSEL) / AS2307021AXXXX (MSPVL)**

## 6. LIMITATION OF WARRANTY SCOPE

### a. Disclaimer

This limited warranty is expressly in place of and ignores all the other direct and indirect warranties including but not limited to warranties of merchantability, title, non-infringement and fitness for particular purpose, use or application, and all other obligations or liabilities on the part of MSEL/MSPVL, unless such other obligations or liabilities are expressly agreed to in writing, and signed and approved by authorized person of MSEL/MSPVL.

### b. Limitation of Liability

To the maximum level permitted by the law applicable, MSEL/MSPVL shall have no responsibility or liability at all for damage or injury to person or property for any other type of loss or injury, consequential damages, results from any cause whatsoever arising out of related to any module including any type of defect in solar module, including without laminations, during use or installation of Solar module. To the maximum extent permitted by applicable law, under no circumstances shall MSEL/MSPVL be liable for incidental, consequential or special damages, howsoever caused, even if MSEL/MSPVL has been advised of or reasonably could have foreseen such damages. Loss of use, loss of profits, loss of production and loss of revenues are hereby specifically, and without limitation, excluded to the maximum extent



permitted by applicable law. Notwithstanding anything contained elsewhere in this document, MSEL's/MSPVL's aggregate liability, if any, for damages or otherwise shall not exceed the amount paid by the customer for the module that gave rise to the warranty claim.

## 7. WARRANTY CLAIM SUBMISSION AND VERIFICATION

### Report of a warranty case:

The report shall include the following information: Name and address of the CUSTOMER / End customer, INSTALLER resp. SELLER. A copy of the invoice with reference to the claimed module serial numbers / module type or purchase agreement and installation agreement. A copy of the installation test report following minimum requirements of IEC 62446 / IEC 60364-6. A copy of the periodical maintenance reports as recommended or required by regional regulations or legal requirements and acceptance protocol of handover after the installation was finished and the system connected to the grid with all relevant measured system data. A copy of the MODULE TYPE and Serial number(s), Quantity of the respective PV-module(s). A copy of the Address of the place of installation of the respective PV-module, in as far as this address differs from the address of CUSTOMER / End customer. A short but clear description of the problem at hand and what is claimed, as well as a short description of the tests which may have already been performed and with which tools, as well as their results.

- a) In particular, regarding a material defect: High quality pictures of the defective PV-module which show the defect including pictures of the system and surrounding environment.
- b) In the case of a low power output: information regarding the PV-generator, the inverter, the circuitry / layout (please see the installation documentation for this which you should have received from your INSTALLER) as well as the pictures of shadowing situation at the location. The requested warranty performance and reason of claim, etc.
- c) MSEL/MSPVL has right to site visit verification for claim investigation.
- d) MSEL/MSPVL has right to access all information related the project sites / Generation / installation procedure records / O&M records and practices for claim investigation.

The report of a warranty case is to be addressed to one of the contact - addresses of MSEL/MSPVL, listed as mentioned in section 15 of this document. Deadline for claim submission: A warranty case is to be reported within 1 week after becoming aware of the circumstances which constitute a warranty case. The timely receipt of the report by MSEL/MSPVL shall be decisive. The deadline is met, if the report is received by MSEL/MSPVL via fax or email in advance.





## 8. SEVERABILITY

If a part, provision or clause of this Limited & Linear Warranty, or the application thereof to any person or circumstance, is held invalid, void or unenforceable, such holding shall not affect the validity or enforceability of any other part, provision or clause of this limited warranty or its applicability to any other person or circumstance, and to this end such other parts, provisions, clauses or applications of this limited warranty shall be treated as severable.

## 9. TECHNICAL DISPUTES

If any dispute occurs between MSEL/MSPVL and Customer related to the validity of any claim under the warranty clauses, in this case an ISO 17025 accredited test laboratory such as TÜV Rheinland India / UL India / PVEL / Fraunhofer which is recognized by MSEL/MSPVL shall be called upon to judge the claim of customer. Any measurement of solar module will be done under STC (Standard Test Condition) and according to the IEC 60904 standards. All the expenses and fees associated in calling agencies like ISO 17025 accredited test laboratory such as TÜV Rheinland India / UL India / PVEL / Fraunhofer for the judgment of claim will be borne by losing party only. In this section 9, there is nothing contained which can stop one party from bringing any legal suit, action or proceeding against the other party before the courts of India.

## 10. MISCELLANEOUS

Outside this warranty, customer may have specific legal rights and also have rights which vary from jurisdiction to jurisdiction. This warranty document does not affect any additional rights, the customer may have under mandatory rules of law in its jurisdiction. However, the overall liability of MSEL/MSPVL under this shall not be more than 100% of the total price paid for any individual module. For incidental or consequential damages, some of the jurisdiction does not allow exclusion or limitation of it, as a result of which the limitations or exclusions in this limited warranty may not apply to the customer. The replaced module shall become the property of MSEL/MSPVL. In case of replacement, MSEL/MSPVL will bear all reasonable insurance and transportation charges (except air freight), customs clearance and any other reasonable costs for shipping the replaced products to the customer as per section 09. If MSEL/MSPVL discontinued manufacturing of that same size/power/same mechanical properties PV module then MSEL/MSPVL has right to provide the modules of other models (different sizes, color, shape,



equal or higher power), either new brand or original or original brand within the (6-weeks for Domestic & 12-weeks for Export) from registered date of complaint.

Also, prior information to be given manufacture for return of faulty module and if MSEL/MSPVL no longer require faulty modules then disposal of faulty module will be under customer scope.

## 11. WARRANTY TRANSFER

This limited warranty is transferable to any other owner of the module in only condition when the modules installed remains at its original location. Any transferee is subject to all the exclusions, limitations and conditions set forth herein.

## 12. FORCE MAJEURE

This limited or linear warranty is not applicable and MSEL/MSPVL is not responsible or liable in any way to the customer or any third party for any delay in performance or non-performance and conditions of sale, for the reasons beyond reasonable control of MSEL/MSPVL including but not limited to cases of any acts of God like, volcanic events, tsunami. Earthquakes, strikes, war, riots, vandalism, war like conditions, plague or other epidemics, pandemic, flood, fire and other type situations which are beyond the control of MSEL/MSPVL. In the event of occurrence of force majeure situation, the limited warranty shall be not applicable and will be null and void.

## 13. VALIDITY

This limited & linear warranty applies to modules which are manufactured by MSEL/MSPVL with production date 01 November 2021 onward. The warranty start date under this warranty shall be defined as the tax invoice date from when the customer purchased the modules from MSEL/MSPVL.

## 14. LINEAR POWER PERFORMANCE WARRANTY TABLE

ASM - Models (Monofacial)			
Years	ASM- Models Warranted Power Performance values	Years	ASM- Models Warranted Power Performance values
1	98.00%	16	89.75%
2	97.45%	17	89.20%
3	96.90%	18	88.65%
4	96.35%	19	88.10%
5	95.80%	20	87.55%
6	95.25%	21	87.00%
7	94.70%	22	86.45%
8	94.15%	23	85.90%
9	93.60%	24	85.35%
10	93.05%	25	84.80%
11	92.50%		
12	91.95%		
13	91.40%		
14	90.85%		
15	90.30%		



ASB - Model: Glass to Glass & Glass to Transparent Backsheet (Bifacial)

Years	ASB - Models Warranted Power Performance values	Years	ASB - Models Warranted Power Performance values
1	98.00%	16	91.25%
2	97.55%	17	90.80%
3	97.10%	18	90.35%
4	96.65%	19	89.90%
5	96.20%	20	89.45%
6	95.75%	21	89.00%
7	95.30%	22	88.55%
8	94.85%	23	88.10%
9	94.40%	24	87.65%
10	93.95%	25	87.20%
11	93.50%	26	86.75%
12	93.05%	27	86.30%
13	92.60%	28	85.85%
14	92.15%	29	85.40%
15	91.70%	30	84.95%

## N-TOPCon ASB/AB-G12R - Model: Glass to Glass & Glass to Transparent Backsheet (Bifacial)

Years	ASB/AB-G12R Models Warranted Power Performance values	Years	ASB/AB-G12R Models Warranted Power
1	99.00%	16	93.00%
2	98.60%	17	92.60%
3	98.20%	18	92.20%
4	97.80%	19	91.80%
5	97.40%	20	91.40%
6	97.00%	21	91.00%
7	96.60%	22	90.60%
8	96.20%	23	90.20%
9	95.80%	24	89.80%
10	95.40%	25	89.40%
11	95.00%	26	89.00%
12	94.60%	27	88.60%
13	94.20%	28	88.20%
14	93.80%	29	87.80%
15	93.40%	30	87.40%

## 15. CONTACT DETAILS

If customer has any doubts please contact Adani's Customer Service Team.

1. Contact ADANI Solar sales and service team at [cs@adani.com](mailto:cs@adani.com)
2. Email customer feedback at [cs@adani.com](mailto:cs@adani.com)