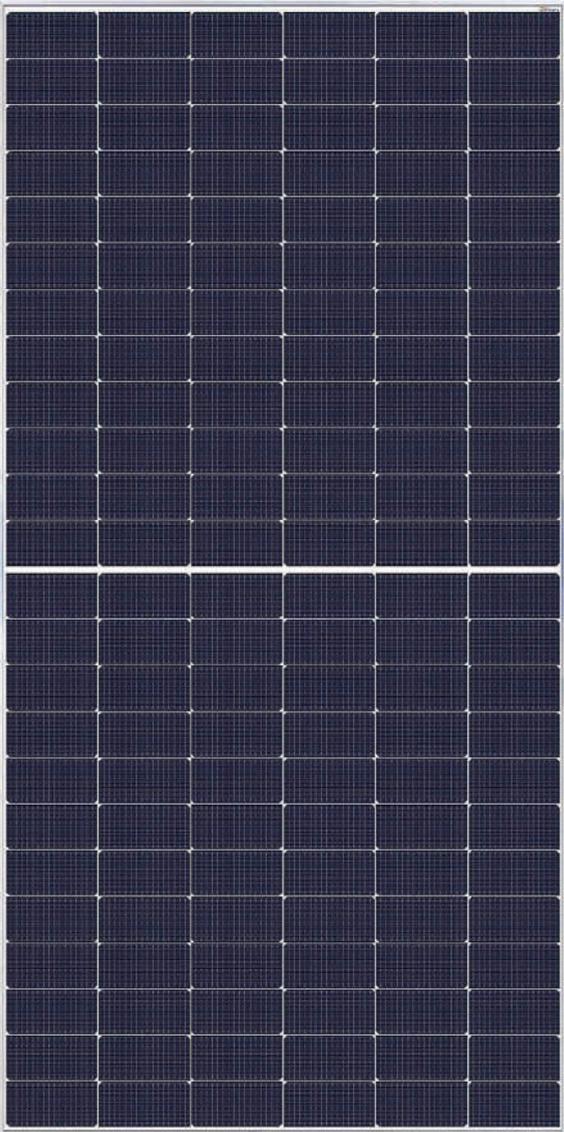


MANUFACTURER'S WARRANTY



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1. Warranted Products

This warranty applies exclusively to photovoltaic modules (referred to as the “Modules”) that are designed, manufactured, supplied, sold and distributed by RPSG Solvanta Private Limited (hereafter referred to as “Solvanta”). Under this warranty program, Solvanta assures that the PV modules specified below are covered under the Warranty and are included within the purview of this document:

S.No	Model Number
1	RPSG144MI0TGXXX
2	RPSG132G12RTGXXX

2. Limited Product Warranty

Solvanta extends a 12-years limited warranty on its solar photovoltaic modules models specified herein above, covering defects in materials or workmanship that adversely impact the power output performance beyond the thresholds specified in the module’s official product documentation. Any type of cosmetic imperfections (including any aesthetic defects, strain, rust, spot, scratches, mechanical wear) or damages from improper handling, transport, installation, or modification are excluded from coverage.

For modules that fail to meet performance standards from the warranty commencement date, Solvanta reserves the right, at its sole discretion, to elect one of the following resolutions:

- Repair or replacement of the defective module(s).
- Refund of the depreciated value of the affected module(s) at the time the claim is submitted.

3. Limited Peak Power Warranty

Solvanta offers a limited peak power warranty ensuring, starting from the defined warranty commencement date, the front-side power output of the Bifacial PV, the first-year power output no less than 99% of nominal rating as specified at the start of warranty period. Thereafter, from 2nd year till 30th years from the power output will decrease linearly by no more than 0.40% per year, ensuring that it remains at or above 87.40% of nominal of the nominal power output when measured under Standard Test Conditions (STC): cell temperature of 25°C, air mass (AM) 1.5, and irradiance of 1000 W/m², as specified in the PV Module Product Datasheet.

Solvanta does not provide any warranty or performance guarantee for rear-side power generation of Bifacial PV Modules, nor does it guarantee voltage or current values resulting from rear-side measurements. Rear-side electrical characteristics are referenced in the Product Datasheet for information only.

The degradation Rate is defined as:

$$DR = 1.00 - [(PO_{act}) / (PO_n)]$$

PO_{act} = Actual Power at STC Conditions.

PO_n = Nominal Power.

Solar module performance warranty table is attached in "Section 13" of this document for all PV Modules

4. General Warranty Claim Conditions

1. All warranty claims must be submitted within the applicable warranty period and within a reasonable timeframe upon detecting any defects.
2. The customer must report any complaints within 48 hours of the module's arrival at the site.
3. Exclusions from Warranty Coverage: The "Limited Product Warranty" and the "Limited Peak Power Warranty" do not apply to Modules that have been subjected to the following conditions:
 - Misuse, abuse, neglect, or accidents.
 - Wear and tear resulting from the installed environment.
 - Non-compliance with national and local electrical codes or the installation and maintenance manual provided by Solvanta.
 - Poor system design or maintenance practices that impose prolonged stress on the bypass diodes in the modules.
 - Downgraded or customized Modules, or any Modules not covered by this Warranty, unless otherwise agreed upon by Solvanta and its immediate Customer.
 - Aesthetic issues related to cell or module color, product size, which do not impact power output.
 - Installation by an unqualified or unlicensed technician in the solar or electrical field.
 - Damage caused by power failure surges, lightning, floods, soot, acid rain, industrial chemicals, saltwater, fire, accidental breakage, or other events beyond Solvanta's control.
 - Fail to provide proof of 100% payment invoice/s or product information.
 - It is the responsibility of customer (and / or its forwarding company) to inspect and accept the solar modules supplied by Solvanta. Any claim linked or related to damages in the packaging, like impact on pallets, Solvanta will only accept if his occurs during delivery at site itself and if transportation under Solvanta scope. In all other cases, damages should be claimed from the forwarding company or insurance company.
4. The "Limited Product Warranty" and the "Limited Peak Power Warranty" do not cover any costs or expenses associated with the removal, installation, reinstallation, or disposal of the Modules. All such costs and expenses shall remain the sole responsibility of the Buyer

Serial Number Integrity: Warranty claims will not be honored if the type or serial number of the Modules has been altered, removed, or rendered illegible. Example of Serial Number: RPSG144M10TGXXX & RPSG132G12RTGXXX.

5. Limited Remedy and Limitation of Liability

a) Limited Remedy

In the event that any Solvanta Module fails to perform in accordance with the warranted power output due to defects in materials or workmanship under normal application, use, and service conditions, Solvanta's sole and exclusive obligation, at its reasonable discretion, shall be to

- (i) Repair the defective Module; or
- (ii) Replace the defective Module with a new or refurbished Module of equal or greater capacity; or
- (iii) Provide additional Module(s) to compensate for the power shortfall and ensure total installed power meets the warranted level.

All such remedies shall constitute the Customer's exclusive remedy and Solvanta entire obligation under this Limited Warranty. The Customer shall bear all costs and expenses related to the removal, transportation, reinstallation, and testing of the Modules, including the mounting of any additional Modules provided by Solvanta. Verification of Module performance shall be conducted in accordance with IEC 61215 and IEC 60904, under Standard Test Conditions (STC): 1000 W/m² irradiance, 25°C cell temperature, and AM 1.5 solar spectrum, accounting for measurement uncertainty per IEC standards.

Repair, replacement, or the supply of additional Modules shall not extend or renew the original warranty period applicable to the affected Modules.

b. Limitation of Liability

Under no circumstances shall Solvanta be liable for any incidental, consequential, indirect, or special damages, including but not limited to loss of use, loss of profit, loss of production, or loss of revenue, arising out of or in connection with the Modules or their installation, operation, or use, even if Solvanta has been advised of the possibility of such damages.

Solvanta's total cumulative liability, whether in contract, tort (including negligence), or otherwise, shall not exceed the amount equal to the product of the extra DC power output degradation multiplied by the unit price of the affected Module as shown in the original Solvanta invoice, adjusted for depreciation based on the elapsed warranty period.

6. Procedure to Claim Warranty

a. The Customer must submit the following information along with the warranty claim to Solvanta containing:

- Name and address of the Customer / End Customer and Installer / Seller.
- Copy of the invoice with referenced module serial numbers, module type, and any purchase or installation agreement.
- Copy of Installation test report following minimum requirements of IEC 62446 / IEC 60364-6.
- Maintenance records required under local regulations and the handover/ commissioning report with relevant system data.
- Module details: type, serial number(s), quantity, and installation address (if different from Customer's address).
- A clear description of the issue, what is being claimed, and details of any tests already performed, including tools used and results.

b. Additional Requirements for Warranty Verification

- **Material Defects:** Provide clear, high-resolution photographs of the affected module, including close-ups of the defect and images showing the system setup and surrounding environment.
- **Low Power Output:** Submit details of the PV generator, inverter, system layout/circuitry, and photographs showing any shadowing at the site, along with the requested warranty action and reason for the claim.
- **Site Verification:** Solvanta reserves the right to conduct site visits for physical inspection and validation of the claim.
- **Access to Records:** Solvanta may request access to project documentation, generation data, installation records, and O&M logs necessary for claims investigation.

Warranty claims must be reported within 7 days from the date the issue is detected. Claims may be submitted via email or other official communication channels specified in Section 14. Timely receipt of the claim by Solvanta will be considered final for compliance with the deadline.

7. Technical Disputes

In the event of any disagreement regarding the validity of a warranty claim, Solvanta and the Customer shall jointly appoint an independent, ISO 17025–accredited testing laboratory (such as TÜV Rheinland, TÜV SÜD, UL, PVEL, Fraunhofer, or any other mutually agreed facility) to evaluate and determine the technical merits of the claim. All testing and measurements shall be conducted under Standard Test Conditions (STC) in accordance with IEC 60904 standards. The costs associated with the third-party evaluation shall be borne by the party whose position is determined to be incorrect. This provision does not restrict either party from pursuing legal remedies before the competent courts of India.

8. Severability

If any provision of this Limited Warranty, or its application to any person or circumstance, is found to be invalid, void, or unenforceable, the remaining provisions shall remain fully valid and enforceable. Any such invalid portion shall be treated as severable and shall not affect the validity or applicability of the rest of this Limited Warranty.

9. Miscellaneous

- The repair, replacement, or supply of additional Modules under this Limited Warranty does not create a new warranty term, nor does it extend the original warranty period.
- Any Module replaced under this warranty becomes the property of Solvanta.
- If the original Module model, power class, or mechanical specifications are discontinued, Solvanta may supply a suitable replacement Module of equal or better performance. Minor differences in size, colour, or appearance shall not affect the validity of the remedy.
- The total liability of Solvanta for any claim under this Limited Warranty shall not exceed the original purchase price of the affected Module.
- This Limited Warranty operates alongside any mandatory legal rights available to customer under applicable law. Where permitted by law, incidental or consequential damages may be excluded.
- If any provision of this Limited Warranty is found invalid or unenforceable, the remaining provisions shall continue in full force and effect, and the invalid portion will be considered severable.

10. Warranty Transfer

This Limited Warranty may be transferred to a new owner, provided that the Module remains installed at its original installation location. All terms, conditions, exclusions, and limitations of this Limited Warranty shall apply equally to the transferee.

11. Force Majeure

This Limited Warranty shall not apply in any situation where Solvanta is unable to perform its obligations due to events or circumstances beyond its reasonable control. Such events include, without limitation, acts of God, earthquakes, floods, fires, storms, pandemics, epidemics, war, riots, strikes, labour disturbances, acts of terrorism, vandalism, government restrictions, supply chain disruptions, or any other similar unforeseen events.

In the occurrence of any such force majeure event, Solvanta shall have no responsibility or liability to the Customer or any third party for any delay, reduced performance, or non-performance of warranty obligations. For the duration and impact of the force majeure event, this Limited Warranty shall be considered inapplicable and Solvanta shall bear no liability arising from such circumstances.

12. Validity

This Limited Warranty applies to all Modules manufactured and dispatched by Solvanta from 2nd October 2025 until superseded by a revised version issued by Solvanta. The warranty period for each Module shall commence from the date of the tax invoice issued to the Customer at the time of purchase.

13. Linear Power Performance Warranty Table

Sr. No	Warranted Power Performance values	Sr. No	Warranted Power Performance values
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%

14. Contact Details

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