

Sunsprint Engineering Warranty Card

The Limited Warranty for SunsPrint Engineering Inc (SunsPrint) generally provides the warranties set forth herein to the original purchaser and its permitted successors and assigns (“Customers”) with respect to any solar photovoltaic module set forth herein sold by SunsPrint Engineering under purchase agreements signed, subject to the terms and conditions herein (“Limited Warranty”). SunsPrint and Customer may hereinafter be referred to as a “Party” individually and collectively as the “Parties”.

DEFINITION OF MODULES

Technology	
HALF CELL TOPCON MODULES	SPI-SLEXXX-144TGG (XXX-575-580Wp)

2.0 Effective Dates & Validity

2.1 Effective Dates

The warranty start date of the Solar Modules stipulated under this Limited Warranty for Solar Modules (hereinafter referred to as “Limited Warranty Clause No: 03”) is the date of delivery to the Initial Customer or 6 months after the modules are shipped out of the production plant, whichever is earlier (hereinafter referred to as the “Warranty Start Date”). For the avoidance of doubt, the aforesaid Initial Customer means the Buyer as agreed in the Sales Contract for sale. The Limited Warranty for SunsPrint Engineering Inc (SunsPrint) generally provides the warranties set forth herein to the original purchaser and its permitted successors and assigns (“Customers”) with respect to any solar photovoltaic module set forth herein sold by SunsPrint Engineering under purchase agreements signed, subject to the terms and conditions herein (“Limited Warranty”). SunsPrint and Customer may hereinafter be referred to as a “Party” individually and collectively as the “Parties” of the Solar Modules.

2.2 Beneficiary of the Limited Warranty

The sole and exclusive beneficiary of the Limited Warranty is the initial end customer who purchases modules directly or indirectly from SunsPrint Engineering or from an authorized manufacturer or distributor or from any other legitimate source and is the initial owner of such modules (hereafter referred to as “Customer subject to SunsPrint Engineering records or SunsPrint Engineering Authorized Distributor”). Upon SunsPrint Engineering’s written request, the customer shall confirm the ownership of the modules and should follow SunsPrint Engineering Module Claim Procedure SOPs.

2.3 Warranty Start Date

The term of this Limited Warranty - 180 days from the date of dispatch or date of invoice. The date of initial delivery w.r.t date of PO to the customer by SunsPrint Engineering.

This Limited Product & Linear warranty applies to modules which are manufactured by SunsPrint Engineering with production date 2016 onward. The warranty start date under this warranty shall be defined as earlier of either:

- The sales invoice date from when the customer purchased the module.
- This limited linear warranty is valid until the revised version issued by SunsPrint Engineering.
- 180 days from captive SunsPrint Engineering storage facility.

SunsPrint Engineering reserves the right to revise the warranty conditions without giving any prior notification to the customer.



3.0 Warranty

3.1 Limited Product & Workmanship Warranty

A) This limited 25-year product workmanship warranty covers visual defects, provided that there was no external cause of the defect. If during the 25-year term of Warranty, the module(s) is/are found to be having "Major visual defects," as defined in IEC 61215-1 Clause 8, then SunsPrint Engineering will, at its sole discretion either –

1. Repair; or
2. Replace such Module(s) with similar module(s); or
3. Refund the purchase price of the module(s) without interest or any charge, as measured after considering 5% depreciation per year on the original purchase price or the then prevailing price of similar Module(s), whichever is lower, provided that the then prevailing price does not exceed the original sale price at which the Buyer has purchased the Module(s); or
4. Provide supplementary module(s) free of charge to the buyer, for the balance term of Product Warranty. It shall be the liability of the Buyer to mount replacement or supplementary PV module at their own cost and expenses. This warranty is subject to the exclusions and limitations as mentioned in the warranty statement.

Module needs to be inspected by SunsPrint Engineering before the claim can be processed.

3.2 Limited Performance Warranty – 30 Years

The supplier warrants for a period of 30 years performance warranty for (HALF CELL TOPCON MODULES) in Clause "Definition of Modules". ("Performance Warranty Period") in details as below: during the first year of the Performance Warranty Period, the actual power output (performance) of the modules will reach at 98% for Half cut Mono PERC modules and 99% for the Half cut TOPCon of the nominal power output; and from the second year, the actual power output will decline annually by no more than 0.55% Half cut Mono PERC and 0.40% Half cut TOPCon for a period of 24, 26 & 29 years respectively; by the end of the 25th, 27th and 30th year, an actual output of at least 83.70% Half cut Mono PERC and 87.40% of the nominal power output is guaranteed respectively.

- For details, refer to section 15.0.
- Actual power output (Year=1) \geq Nominal Power* (1 - 2%).
- Actual power output (Year=N, 2 \leq N \leq 27) \geq Nominal Power* (1 - (2% + 0.55% * (N-1))).
- The actual power output is to be measured under standard testing condition ("STC" or "Standard Test Conditions") in an independent testing lab accepted by the supplier or previously designated by the supplier, and when measuring the actual power output, measurement equipment tolerance is to be taken into consideration, as per IEC60904 Measurement of Uncertainty (MoU) as per OEM /lab equipment claim.
- Standard test conditions are: Air mass 1.5, wind speed 0m/s, irradiance 1000W/m², cell temperature 25°C.

4.0 Exclusions and Limitations

This Limited Warranty does not apply to any Products which have been subject to:

- Failure to pay the purchase price towards SunsPrint Engineering or its subsidiaries which have put the module on the market even though (i) the payment was due and (ii) the direct customer who has obtained the module from SunsPrint Engineering or its subsidiary ("Direct Customer") is not entitled to withhold the purchase price or parts of the purchase price. SunsPrint Engineering must inform the buyer about the non-payment and provide the name and the full address of the direct customer which has failed to pay the module. In case SunsPrint Engineering rejects the claims under this Global Limited Warranty based on this provision, the buyer can deposit the amount not paid in order to trigger the Limited Warranty claims.

- Failure to comply with the requirements of SunsPrint Engineering's user manual or rules of use and application.
- Failure to carry out proper operation and maintenance (including but not limited to operation and maintenance requirements requested by SunsPrint Engineering's applicable user manual or other applicable local laws and regulations of the place of installation).
- Service by service technicians who are not qualified under the relevant law and/or applicable regulations at the place of installation.
- Change, erasure or illegibility of the Product's type, nameplate or serial number (other than by any act of omission of SunsPrint Engineering).
- Installation on mobile units (except photovoltaic tracking system), such as vehicles, ships or offshore structures (except water surface floating systems pursuant).
- Exposure to voltage in excess to the maximum system voltage or power surges.
- Defective components in the construction on which the module is mounted.
- Exposure to mold discoloration or similar external effects.
- Unauthorized modifications.
- Operation/maintenance by use of unauthorized spare parts.
- Application under extreme environmental conditions or rapid changes in such environments resulting in corrosion, oxidation, or effects by chemical products.
- Other acts beyond SunsPrint Engineering's reasonable control (including Act of God, direct or indirect damage by war, fire, flood, hurricane, volcanic eruption, surface collapse, debris flow, lightning, earthquake, heavy snowfall, hailstone, strong breeze etc).
- Use of the products in such a manner as to infringe SunsPrint Engineering's or any third party's intellectual property rights (including but not limited to patents, trademarks, etc).
- SunsPrint Engineering may necessarily not supply the identical Module(s) owing to constant changes in technology but would supply similar Module(s) that may be available at the time of warranty claim. SunsPrint Engineering shall have a right to deliver another type (different in size, shape, colour and/or power) where SunsPrint Engineering has discontinued producing the Modules(s) being replaced under the claim.
- Defects and/or failures caused by inappropriate handling during transportation or storage.
- This warranty does not apply to any deterioration in appearance due to naturally occurred scratches, stains, mechanical wear, rust, mold, degradation, discolouring, and other alteration that occurred after shipment from SunsPrint Engineering factory, but do not affect the power generation performance or mechanical strength of the modules.
- This warranty does not cover any cost associated with on-site labour and any cost associated with the installation or removal, reinstallation, shipping or transportation of the Module(s) or any components, any customs clearance or any/all other cost/s of return or re-shipment of Module(s).

4.1 Time Limit for Warranty Claims

All claims under the limited product warranty must be submitted in writing to SunsPrint Engineering within the limited product warranty period, while all claims under the limited peak power warranty must be submitted in writing to SunsPrint Engineering within the limited peak power warranty period. SunsPrint Engineering shall have the right to reject any and all warranty claims submitted to it.

4.2 Proof of Warranty Claims

All the supporting proof for a warranty claim made by the customer shall rest upon the customer. The warranty claim will be accepted if sufficient proof/documentary evidence is provided to fully demonstrate that the only cause of the fault or non-conformity in the modules is a breach of the limited product warranty and/or the limited peak power warranty.

5.0 Repair, Replacement, or Refund Policy

SunsPrint Engineering's PV modules are made as per the warranted product definition in clause 1 and will, at its sole discretion:

- a) Repair the module or replace it, or;
- b) As compensation, refund the depreciated price of the solar module paid by the customer.



1. Determine a maintenance plan and repair the defective Products or;
2. Refund the difference in value between the actual STC power and the warranty power of the defective products (Difference value = the market price at the moment of raising Limited Warranty claims (per watt) * (sum of the remaining theoretical warranty power according to the sum of STC power actually measured)).
3. Refund the salvage value of the defective Products. For purposes of this Limited Warranty, salvage value = The market price at the moment of raising the warranty claim (unit price per watt)* the original guaranteed nameplate power* remaining warranty period (year) / original total warranty period by SunsPrint Engineering, or.
4. Provide free Products to make up for the difference between the actual STC power of defective products and the warranty power (Difference power = sum of the remaining theoretical warranty power - sum of STC power actually measured) or.
5. Replace the defective products or part thereof with new or remanufactured Products at no charge. The total nominal power of the replaced Products shall not be less than the total remaining theoretical Warranty power of the defective Products.
6. SunsPrint Engineering reserves the right to provide similar or different products in replacement of the defective products if the defective products are discontinued or otherwise unavailable.

During the warranty period, SunsPrint Engineering shall bear the costs for repairing and all reasonable insurance and transportation charges (except air freight), customs clearance, and any other reasonable costs for shipping the repaired products to the Buyer (the Buyer may claim reimbursement by SunsPrint Engineering for these charges by providing an invoice from the relevant service provider to SunsPrint Engineering that these charges were incurred). The costs and other related expenses for the removal, repack, installation, or reinstallation shall remain with the Buyer.

6.0 Claim Procedure

SunsPrint Engineering will not accept any returned Module(s) without a prior lodged complaint or prior written authorization given by SunsPrint Engineering. Any false information in the warranty claim shall result in rejection of the claim without prejudice to SunsPrint Engineering's further remedies under the law, contract, or tort. A copy of the module type and serial number(s), quantity of the respective PV-module(s), and the address of the place of installation of the respective PV-module, insofar as this address differs from the address of the customer/end customer, must be provided. Additionally, 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.

- 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.
- 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 pictures of the shadowing situation at the location.
- The requested warranty performance and reason for the claim, etc.

The report of a warranty case is to be addressed to one of the Contact Addresses of SunsPrint Engineering, listed as mentioned in this document. The deadline for claim submission: A warranty case is to be reported within 30 days after becoming aware of the circumstances which constitute a warranty case. The timely receipt of the report by SunsPrint Engineering shall be decisive. The deadline is met if the report is received by SunsPrint Engineering via email in advance.

7.0 Severability

If a part, provision, or clause of this Limited Product 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.



8.0 Technical Disputes

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

9.0 Force Majeure

SunsPrint Engineering shall not be responsible or liable in any way to the Buyer for any non-performance or delay in SunsPrint Engineering's performance under this Global Limited Warranty due to occurrences of force majeure such as acts of God, war, riots, strikes, unavailability of suitable and sufficient labor, material, or capacity, or technical or yield failures and any unforeseen event beyond its control, including, without limitation, any technological or physical event or condition which is not reasonably known or understood at the time of the sale of the defective products or the notification of the relevant Global Limited Warranty claim under this.

10.0 Warranty Against Transfer

This Limited Warranty term is transferrable when the products remain installed in their original installation location. Notwithstanding anything to the contrary contained in this Warranty Statement, the warranties provided herein shall apply only so long as the module(s) warranted hereby are owned by the buyer who has purchased the module(s) for its, his, or her own use and not for purposes of resale, lease, or any other form of alienation. However, this warranty may be transferred or transmitted by obtaining prior written consent of SunsPrint Engineering, provided that the module(s) remain(s) installed continuously "as it is" including the place of installation at the time of registration of warranty. Any transfer shall be subject to all the exclusions, limitations, and conditions set forth herein.

11.0 No Other Express Warranty

Except as otherwise provided by applicable statutory law or unless modified in writing and signed by an officer of SunsPrint Engineering, the Limited Warranty set forth herein is the only express warranty (whether written or oral) by SunsPrint Engineering applicable to the Products, and no one is authorized to restrict, expand, or otherwise modify this limited Warranty.

12.0 Miscellaneous

If any provision of this Limited Warranty Term is held invalid, unenforceable, or contrary to law, then the validity of the remaining provisions of this Limited Warranty shall remain in full force and effect.

13.0 Limitation of Liability

To the maximum extent permitted by applicable law, SunsPrint Engineering's aggregate liability according to this Limited Warranty shall not exceed the purchase price paid by the Buyer for the defective products in the case of a Limited Warranty claim. The Buyer acknowledges that the foregoing limitation of liability is an essential element of this Limited Warranty term and that in the absence of such limitations, the purchase price of the products would be significantly higher.

Mono PERC Half cut Module (MHC, MHCB & MBHC)					
Year	Rate Of Degradation	Power Out Put	Year	Rate Of Degradation	Power Out Put
1	2.00%	98.00%	16	2.00%	89.75%
2	0.55%	97.45%	17	0.55%	89.20%
3	0.55%	96.90%	18	0.55%	88.65%
4	0.55%	96.35%	19	0.55%	88.10%
5	0.55%	95.80%	20	0.55%	87.55%
6	0.55%	94.25%	21	0.55%	87.00%
7	0.55%	94.70%	22	0.55%	86.45%
8	0.55%	93.15%	23	0.55%	85.90%
9	0.55%	93.60%	24	0.55%	85.35%
10	0.55%	93.05%	25	0.55%	84.80%
11	0.55%	92.50%	26	0.55%	84.25%
12	0.55%	91.95%	27	0.55%	83.70%
13	0.55%	91.40%			
14	0.55%	90.85%			
15	0.55%	90.30%			

TOPCon Half cut Module					
Year	Rate Of Degradation	Power Out Put	Year	Rate Of Degradation	Power Out Put
1	1.00%	99.00%	16	0.40%	93.00%
2	0.40%	98.60%	17	0.40%	92.60%
3	0.40%	98.20%	18	0.40%	92.20%
4	0.40%	97.80%	19	0.40%	91.80%
5	0.40%	97.40%	20	0.40%	91.40%
6	0.40%	97.00%	21	0.40%	91.00%
7	0.40%	96.60%	22	0.40%	90.60%
8	0.40%	96.20%	23	0.40%	90.20%
9	0.40%	95.80%	24	0.40%	89.80%
10	0.40%	95.40%	25	0.40%	89.40%
11	0.40%	95.00%	26	0.40%	89.00%
12	0.40%	94.60%	27	0.40%	88.60%
13	0.40%	94.20%	28	0.40%	88.20%
14	0.40%	93.80%	29	0.40%	87.80%
15	0.40%	93.40%	30	0.40%	87.40%