

# GUARANTEE DECLARATION FOR PHOTOVOLTAIC MODULES ECO LINE GLASS-GLASS

Dear Luxor Solar customer,

Luxor Solar GmbH photovoltaic modules are carefully manufactured and their functionality is subjected to a thorough final inspection in order to meet the highest expectations. In the very rare occasion that a photovoltaic module does, however, exhibit a material and or manufacturing defect or a loss of performance, you have recourse, in addition to any statutory guarantee claims to which you are entitled against the seller, to the Luxor Solar GmbH under this product and performance guarantee under the following conditions. The guarantee period starts on the date of sale to the end customer or one hundred and eighty (180) days after the date of production of the product, depending on whichever date is earlier (from hereon referred to as “start of warranty”). The guarantee applies to all modules, which were sold to a customer with the documented date of sale from December 20, 2022 onwards. Customers are all module purchasers who have purchased the photovoltaic modules for their own use. The guarantee declaration does not apply to distributors or installation companies.

## 1. PRODUCT GUARANTEE

The Luxor Solar GmbH guarantees that the photovoltaic modules manufactured in its name (from hereon referred to as “product/s”), are, under normal and intended conditions of use, installation, operation and maintenance, free from any material and manufacturing defects for a period of thirty (30) years from start of warranty. The product guarantee excludes the junction box supplied by the companies Tigo Energy und SolarEdge Technologies Inc. The guarantee covers the components: frame, glass, cells, cable, connectors, junction box and film, however, only in terms of their functionality. For example, discolorations do not represent faults or defects in the

terms of this product guarantee. Micro-cracks may develop in the product cells as a result of incorrect transportation, installation and operation, and such damage is specifically excluded from each warranty provided hereunder. Should a product, due to defects impacting one or more components, not meet this impeccable quality, which guarantees the flawless, technical functionality of the product, the Luxor Solar GmbH will, for a period of time of thirty (30) years from start of warranty, meet its guarantee obligation by repairing or exchanging the defective product (place of fulfilment is the place where the Luxor Solar GmbH has its head office) for a similar fault-free product.

## 2. GUARANTEE AGAINST DEGRADATION OF THE INITIAL EFFICIENCY OF THE CELLS

If, within a period of thirty (30) years after the start of warranty, the real performance values fall below the values specified in the following table with respect to nominal efficiency of the module, Luxor Solar GmbH will offset the missing efficiency through additional modules, repairing or through replacement, provided the performance loss is attributable to degradation of the cells (place of fulfilment is the head office of Luxor Solar GmbH).

The guarantee against performance reduction of the cells (service guarantee) will not be applicable if the performance reduction is caused by damages to or defects in the module components such as module glass, module frame, junction box, bypass diodes, cables, encapsulation material and connectors.

### Eco Line Glass-Glass, monocrystalline P-Type module family:

Years <sup>1</sup>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Percent [%] of nominal power <sup>2</sup>	97,50	97,16	96,81	96,47	96,12	95,78	95,43	95,09	94,74	94,40	94,05	93,71	93,36	93,02	92,67	92,33	91,98	91,64	91,29	90,95	90,60	90,26	89,91	89,57	89,22	88,88	88,53	88,19	87,84	87,50

### Eco Line Glass-Glass, monocrystalline N-Type Topcon module family:

Years <sup>1</sup>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Percent [%] of nominal power <sup>2</sup>	99,00	98,66	98,31	97,97	97,62	97,28	96,93	96,59	96,24	95,90	95,55	95,21	94,86	94,52	94,17	93,83	93,48	93,14	92,79	92,45	92,10	91,76	91,41	91,07	90,72	90,38	90,03	89,69	89,34	89,00

### Eco Line Glass-Glass, Monocrystalline N-Type Heterojunction (HJT) module family:

Years <sup>1</sup>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Percent [%] of nominal power <sup>2</sup>	99,00	98,79	98,59	98,38	98,17	97,97	97,76	97,55	97,34	97,14	96,93	96,72	96,52	96,31	96,10	95,90	95,69	95,48	95,28	95,07	94,86	94,66	94,45	94,24	94,03	93,83	93,62	93,41	93,21	93,00

<sup>1</sup> Years from the start of warranty | <sup>2</sup> Less efficiency than the nominal efficiency specified at the time of delivery

### 3. LIMITS / EXCLUSION OF GUARANTEE OBLIGATIONS

3.1 This guarantee commitment does not cover performance reductions or defects caused by improper handling, installation, dismantling, operating faults, or external influences, or other influences, especially:

- + due to system parts, devices, and components such as diodes, connecting cables, inverters, etc., that were not handled properly or were handled by staff that is not technically qualified, or due to other devices or the installation type of such devices;
- + due to improper or faulty wiring jobs, installation jobs, or handling during such jobs;
- + due to operation under unsuitable environmental conditions or unsuitable methods that deviate from the product specifications, operating instructions, ratings plate data, or external stresses;
- + due to misuse or incorrect use or unauthorized manipulation, modification or any damage;
- + due to unsuitable maintenance and unsuitable tests;
- + breaking of glass due to external effect;
- + due to influences such as impurities in the front glass, pollution, or damage due to unusual environmental or weather influences such as smoke. Hot steam or steam or air saturated with greasy or

other chemical substances or alike;

- + due to use of mobile units such as vehicles, ships etc.. provided their use is not expressly permitted;
  - + due to natural forces, force majeure, and other unforeseeable circumstances outside the field of influence of Luxor Solar GmbH, such as earthquakes, hurricanes, damages caused by volcanic eruptions, floods, lightning, damage from snowfall (resulting from the fact that the maximum snow load according to the operating instructions was exceeded), nuclear events, etc.;
  - + due to faulty design and/or installation of the system or its individual components;
  - + due to harmful influences of paint or unsuitable detergents used on the module;
- 3.2 Micro-cracks can develop in the cells due to improper transport, installation, and operation; these are not an integral part of the guarantee.
- 3.3 Different colours and shades can occur in the different module components due to the manufacturing processes as well as material processes during the operation of the photovoltaic modules. No claims from this guarantee will be applicable for these changes.

3.4 Claims from this guarantee cannot be transferred to third parties.

#### **4. CLAIMS ON THE GUARANTEE COMMITMENT**

The provision of guarantee services does not extend the guarantee period. For replacement products, repaired or supplemented products that have been replaced, repaired, or supplemented by Luxor Solar GmbH within the guarantee commitment, the remaining term of the original warranty period shall apply.

The guarantee service will be provided only if the defect/ degradation is reported immediately after it is discovered by the buyer to the concerned seller/dealer or to Luxor Solar GmbH under presentation of the original invoice or the sales voucher, the delivery date, module type and Serial No. in writing, and subsequently proven in a suitable way (by recognized test institute/test method/expert opinion).

If Luxor Solar GmbH offers repair, replacement, or addition as the guaranteed service for defects or degraded modules at their discretion, it will not cover restitution of costs in case of compensation loss, the costs of the

dismantling/replacement of the defective products, and the transport from our warehouse to the end-customer premises. Luxor Solar GmbH reserves the right, instead of replacing, supplementing, or repairing the products, to replace the original purchase price of the products covered by this warranty, less a straight-line depreciation amount. The guarantee will not apply if the type or serial numbers of the module are changed, deleted, removed, or rendered illegible. Luxor Solar GmbH will not accept any return of modules without previous written agreement.

To fulfil the guarantee commitment, Luxor Solar GmbH is authorized to deliver a different identical-value product type according to its discretion. If the product is replaced (different size, shape, colour and/or performance parameters); further, replacement of products is not subject to any claim on the use of new or as-good-as-new products. Upon request the exchanged modules will become the property of Luxor Solar GmbH.

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