



# **Limited Warranty for ZKFN SOLAR**

## **Light-Rigid Modules**

### **Solar Pega Series**

**Lightweight Is Where We Begin;**

**Reliability Is What We Deliver!**

Powered by TSR-Armor™ Technology

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## 1. Quality Warranty

The ZKFN SOLAR agrees to provide the buyer with products that are certified by relevant institutions, such as TUV, CQC, CE (except for products specially requested by the buyer). Additionally, the appearance of the products must be consistent with the agreed-upon standards of appearance as between the buyer and ZKFN SOLAR.

The ZKFN SOLAR warrants that its photovoltaic solar modules, including factory-assembled DC connectors and cables, are free from serious visual defects in materials and workmanship which defined in IEC61215 、 IEC61730 、 UL1703、 KS C 8561 or that cause abnormal power output under normal application and installation. If any of these visual defects occur within a period of 15 (fifteen) years (the "Limited Warranty Period"), commencing on the earlier of the delivery date to the direct Customer or six (6) calendar months after the Modules dispatch date from the ZKFN SOLAR factory as indicated by the Modules serial numbers (hereinafter referred to as the "Warranty Start Date"), the ZKFN SOLAR will consult with the customer to determine whether to repair or replace the product, or refund the purchase price paid by the customer. The repair or replacement or refund remedy, at the option of support, shall be the sole and exclusive remedy provided under the "Limited Product Warranty" and shall not extend beyond the 15 (fifteen) years' period set forth herein. For PV modules used in non-static installation scenarios, such as long-term vibration, turbulence, folding, buckle type fixation, handling and other conditions, the warranty period is 3 (three)years. PV modules must be installed in an environment completely free from shadow obstruction. If any product malfunction occurs due to shadow obstruction, the seller will not provide warranty service. The warranty period for special customized components shall be subject to mutual agreement.

## 2. Linear Performance Warranty

The power of a product shall be tested under standard test conditions which are: light intensity 1000 W/m<sup>2</sup>, temperature 25°C, and AM 1.5.

The buyer must ensure to properly handle, transport, design the system of, install, use, and keep appropriate environment and maintenance for the products.

Power of Module:

Mono-crystalline silicon TOPCON module: The first year from the start date of the warranty, the output power shall not be less than 99% of the product's minimum output power as set forth in the specifications. Within the second year, the output power shall not be less than 98.6% of the product's minimum output power as set forth in the specifications. Afterwards, the loss of average annual output power shall not exceed 0.4% of the product's output power of the immediately preceding year. After 30 (thirty) years, the product's output power shall not be less than 87.4% of its minimum output power as set forth in the specifications. The output power guarantee for non-static installation scenarios is 3 years output power shall not less than 90.2%, and the power guarantee period for special customized components is subject to mutual agreement.

If the output power of the module does not meet the above levels within the time specified, the ZKFN SOLAR and the buyer will jointly analyze the causes. If ZKFN SOLAR determines that the liability is attributable to itself, then ZKFN SOLAR will provide the buyer with best remedial choices commercially reasonable, such as providing additional module, repairing or replacing the module, providing the buyer with compensation in accordance with this limited warranty, extending the warranty period for the original module, etc. If the ZKFN SOLAR has ceased to manufacture the module in problem, the ZKFN SOLAR will provide the standard products it is manufacturing as remedy.

### **3. Preconditions**

Caused by the quality of non-product itself (incorrect use, modification of the modules or incorrect handling), are not within the scope of the warranty, After the construction of the photovoltaic power station is completed, it is recommended to purchase the property insurance of the photovoltaic power station.

Failures caused by installation or operation not strictly performed in accordance with the installation manual are not covered under warranty.

Faulty system configuration, e.g. the installation of mutually incompatible modules with each other and inappropriate systems planning, design, especially incompatible inverters.

### **4. Incorrect or insufficient maintenance and servicing.**

Use for purposes not in accordance with the product information (as stated in each applicable module data sheet) and failure to comply with the installation and operating instructions.

Damage due to environmental reasons such as pollution of any kind, fire, explosion, smoke or charring.

Damage caused by natural forces, especially lightning, hail, frost, snow, storms etc. or damage caused by deliberate sabotage, vandalism, acts of violence, etc. .

Damage to the photovoltaic system on which the modules are installed or caused by factors such as voltage fluctuations, peak power, overloads, power failure, etc.

Scratches, stains, mechanical wear, rust, moldy, degradation, discoloration and other changes occurring after delivery of the modules but not resulting in any impairment of the mechanical stability of the product or any reduction in performance beyond that specified in the performance warranty, this type of situation is not covered under warranty.

Where ZKFN SOLAR modules are modified or used in applications involving other products without written consent from ZKFN SOLAR.

Where the serial number or product identification has been removed, altered, erased or rendered unrecognizable or is no longer clearly identifiable for any other reason beyond ZKFN SOLAR's control and it is therefore not possible to clearly identify the

modules.

This warranty does not apply to modules used on mobile carriers such as motor vehicles or ships. The same applies to the use of the modules in large quantities of snow where the conditions of use exceed the stated specifications in the relevant product information.

These Limited Warranties only cover the transportation costs for shipment of any repaired or replaced Modules to the place applied by ZKFN SOLAR. Any costs for returning the Modules to ZKFN SOLAR or its authorized agents and authorized distributors, or costs associated with installation, removal or reinstallation of the Modules, shall be borne by the end user Customers.

## **5. Warranty Transfer**

This "Limited Warranty for PV Modules" will become null and void if the module is transferred from China or the original continent of destination (e.g., Europe, Asia, Australia, North America, Africa or South America), without written permission from ZKFN SOLAR. All customers, direct and indirect, are hereby notified of such potential nullification.

This warranty is transferrable by an END-CUSTOMER to the purchaser of an already installed PV-Module insofar as the PV-Module remains at its original place of installation.

## **6. Warranty Disclaimer and Effective Date**

Except as expressly set forth above, the parties make no representations, warranties, or guarantees, either express or implied, oral or written, with respect to the product or otherwise, including without limitation any implied warranty (1) of fitness for particular purpose, (2) non-infringement.

This Limited Warranty takes effect on [11th] [May.], 2026 (hereinafter referred to as "Effective Date") and applies to Modules first sold after the Effective Date (the date of sale shall be the date indicated in the contracts for the supply of the relevant Modules signed by ZKFN SOLAR and its affiliates that sold the Modules). Modules sold before the Effective Date is still subject to the Limited Warranty applicable at the time of sale. This version of the Limited Warranty shall remain in effect for the duration of the Limited Product Warranty Period and Limited Peak Power Warranty Period for the applicable Modules covered.

## **7. Warranty Service Features**

In all cases, ZKFN SOLAR will decide how warranty claims will be settled. ZKFN SOLAR may assign a third-party service partner to this purpose.

ZKFN SOLAR will cover the costs of a technical inspection and transport in a warranty claim. If no warranty claim is found to exist, these costs will be charged to the claimant.

ZKFN SOLAR reserves the right to decide whether defective product shall be returned to ZKFN SOLAR and provide the Customer with appropriate instructions in this regard.

Modules sent to ZKFN SOLAR during the return process remain the property of the customer until the inspection has been completed, if a replacement takes place during the warranty period, title of ownership of these modules will be transferred to ZKFN SOLAR.

ZKFN SOLAR here by guarantees identical or better quality of any replacement part for troubleshooting purposes and that these will also be covered by the product warranty for the remainder of the warranty period.

If ZKFN SOLAR supplies a replacement or additional module based on this warranty policy, then the replacement or additional module will be of the same or similar type of product range available at the time of the claim, as long as they are suitable for the intended use and the original module type is no longer available.

Apply to Module Type:

ZKFN-G0-322B XXX (XXX=620-640, in steps of 5)  
ZKFN-G1-322B XXX (XXX=550-580, in steps of 5)  
ZKFN-G2-322B XXX (XXX=505-525, in steps of 5)  
ZKFN-G3-322B XXX (XXX=445-465, in steps of 5)  
ZKFN-B3-322F XXX (XXX=460-480, in steps of 5)  
ZKFN-B4-322D XXX (XXX=560-580, in steps of 5)  
ZKFN-G0-222B XXX (XXX=620-640, in steps of 5)  
ZKFN-G1-222B XXX (XXX=550-580, in steps of 5)  
ZKFN-G2-222B XXX (XXX=505-525, in steps of 5)  
ZKFN-G3-222B XXX (XXX=445-465, in steps of 5)  
ZKFN-B3-222F XXX (XXX=460-480, in steps of 5)  
ZKFN-B4-222D XXX (XXX=560-580, in steps of 5)  
ZKFN-G0-122B XXX (XXX=605-625, in steps of 5)  
ZKFN-G1-122B XXX (XXX=550-570, in steps of 5)  
ZKFN-G2-122B XXX (XXX=490-510, in steps of 5)  
ZKFN-G3-122B XXX (XXX=435-455, in steps of 5)  
ZKFN-B3-122F XXX (XXX=455-475, in steps of 5)  
ZKFN-B4-122D XXX (XXX=550-570, in steps of 5)  
ZKFN-G0-320B XXX (XXX=620-640, in steps of 5)  
ZKFN-G1-320B XXX (XXX=550-580, in steps of 5)  
ZKFN-G2-320B XXX (XXX=505-525, in steps of 5)  
ZKFN-G3-320B XXX (XXX=445-465, in steps of 5)  
ZKFN-B3-320F XXX (XXX=460-480, in steps of 5)  
ZKFN-B4-320D XXX (XXX=560-580, in steps of 5)  
ZKFN-G0-220B XXX (XXX=620-640, in steps of 5)  
ZKFN-G1-220B XXX (XXX=550-580, in steps of 5)  
ZKFN-G2-220B XXX (XXX=505-525, in steps of 5)  
ZKFN-G3-220B XXX (XXX=445-465, in steps of 5)  
ZKFN-B3-220F XXX (XXX=460-480, in steps of 5)

ZKFN-B4-220D XXX (XXX=560-580, in steps of 5)  
ZKFN-G0-120B XXX (XXX=605-625, in steps of 5)  
ZKFN-G1-120B XXX (XXX=550-570, in steps of 5)  
ZKFN-G2-120B XXX (XXX=490-510, in steps of 5)  
ZKFN-G3-120B XXX (XXX=435-455, in steps of 5)  
ZKFN-B3-120F XXX (XXX=455-475, in steps of 5)  
ZKFN-B4-120D XXX (XXX=550-570, in steps of 5)

## **8. Contact Information**

### **Shandong ZKFN Solar Technology Co., Ltd.**

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ZKFN SOLAR reserves the sole right of interpretation.