

天威新能源（成都）光伏组件有限公司  
光伏组件产品质量保证书

**Tianwei New Energy (Chengdu) PV Module Co., Ltd.**  
**Limited Warranty for PV Modules**

为了维护买方和天威新能源（成都）光伏组件有限公司双方的利益，并维持良好的合作，天威新能源（成都）光伏组件有限公司对本公司的光伏组件产品作本质量保证。以下系列标准组件是天威新能源（成都）光伏组件有限公司所承保：

TWXXX(23)P	(XXX=150~190)
TWXXX(26)P	(XXX=180~215)
TWXXX(28)P	(XXX=180~240)
TWXXX(35)D-1	(XXX=155~190)
TWXXX(35)D-2	(XXX=160~200)
TWXXXP48	(XXX=170~190)
TWXXXP54	(XXX=190~220)
TWXXXP60	(XXX=210~245)
TWXXXP72	(XXX=260~295)

In order to ensure the benefits of both Buyer and Tianwei New Energy (Chengdu) PV Module Co., Ltd. (hereafter referred to as the “ Supplier” ) and to maintain favorable cooperative relations, Supplier makes this Limited Warranty on its photovoltaic module products (the “ Products” ). This Limited Warranty covers the following listed standard PV module types:

TWXXX(23)P	(XXX=150~190)
TWXXX(26)P	(XXX=180~215)
TWXXX(28)P	(XXX=180~240)
TWXXX(35)D-1	(XXX=155~190)
TWXXX(35)D-2	(XXX=160~200)
TWXXXP48	(XXX=170~190)
TWXXXP54	(XXX=190~220)
TWXXXP60	(XXX=210~245)
TWXXXP72	(XXX=260~295)

## 1. 产品质量保证 Quality Warranty

- 1.1 天威新能源（成都）光伏组件有限公司将向买方提供经过TUV， UL， CEC等相关机构认证过的光伏组件产品(买方同意的有特殊要求的产品除外)；同时，产品外观符合买方与天威新能源（成都）光伏组件有限公司约定的外观标准。

Supplier will provide the Buyer with Products certified by the relevant institutions such as TUV, UL, and CEC (except for the products specially required by the Buyer). The appearance of the Products will be consistent with the standards of appearance as stipulated by the Buyer and Supplier.

- 1.2 在买方确保对产品适当搬运、安装、使用、环境及维护条件下，天威新能源（成都）光伏组件有限公司自交货之日起十年以内(以买方出示的原始交货或付款凭证日期为准)，确保所售产品符合上文1.1条所述内容。

On the condition that Buyer will properly handle, transport, install, use, and ensure appropriate environment and maintenance of the Products, Supplier warrants that, for ten years from the date of delivery by Supplier, to the Buyer, the Products will be consistent with the description in the above section 1.1.

- 1.3 在买方确保对产品适当的搬运、安装、使用、环境及维护条件下，自交货之日起十年以内(以买方出示的原始交货及付款凭证日期为准)，如果发现产品出现与上文1.1条 所述内容的实质性不符，为减少产品问题可能继续恶化后对双方造成的损失，买方必须在一天内通知天威新能源（成都）光伏组件有限公司，天威新能源（成都）光伏组件有限公司将会在接到买方的问题报告并确认该等不符后，及时处理，处理方式包括更换问题产品或支付组件损坏补偿金。

On the condition that Buyer will properly handle, transport, install, use, and ensure appropriate environment and maintenance of the Products, if a Product is determined not to be in substantial conformity with the description in the above section 1.1 within the ten year warranty period (beginning from the date of the original delivery and payment voucher presented by the Buyer), Buyer will notify Supplier within one (1) business day. Then Supplier, upon its receiving such notification and confirming such substantial non-conformity, will deal with the matter in a timely manner. The remedies the Supplier will provide include replacing the Product or paying compensation for the damages of module.

- 1.4 对于超出十年质保期后发生的实质性不符(以买方出示的原始交货及付款凭证日期为准), 天威新能源(成都)光伏组件有限公司将会在双方协商一致的情况下提供有偿服务。

For the problems occurring beyond the ten-year warranty period (beginning from the date of the original delivery and payment voucher presented by the Buyer), Supplier will provide paid service subject to mutual agreement of both parties.

- 1.5 组件损坏补偿金: 根据组件的购买价格(以买方出示的原始交货及付款凭证记载为准), 以购买后每年在上一年组件购买价残值递减5%的比例计算, 直到质保期条款执行完毕。

Compensation for damages of module: the compensation for damages of module will be calculated based on the purchase price (as described on the original delivery and payment voucher presented by the Buyer), with annual deduction of 5% of the residual value of the module. .

## 2 . 功率保证 Performance Warranty

- 2.1 交货组件功率的测量应该在标准测试条件下进行, 即光强 $1000 \text{ W/m}^2$ , 温度  $25^\circ\text{C}$ , 大气质量AM1.5。

The DC power of a Product shall be tested under standard test conditions which are: light intensity  $1000 \text{ W/m}^2$ , temperature  $25^\circ\text{C}$ , and AM 1.5.

- 2.2 买方必须保证对产品合适的搬运、系统设计、安装、使用、环境及维护。

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

- 2.3 组件功率 Power of Module:

- a) 单晶组件: 自系统安装并正常运行第一年, 输出功率不小于该产品说明书所述最低输出功率的97%; 第二年, 输出功率不小于该产品说明书所述最低输出功率的96%; 以后平均每年输出功率衰减不大于上一年该产品输出功率的0.6%; 25年后产品输出功率不小于其说明书所述最低输出功率的83.5%;

Mono-crystalline module: within the first year from the date of installation and normal operation, the output power shall not be less than 97% 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 96% of the Product's minimum output power as set forth in the Specifications. Afterwards, the loss of average annual

output power shall not exceed 0.6% of the Product's output power of the immediately preceding year. After 25 years, the Product's output power shall not be less than 83.5% of its minimum output power as set forth in the Specifications.

- b) 多晶组件：自系统安装并正常运行第一年，输出功率不小于该产品说明书所述最低输出功率的98%；第二年，输出功率不小于该产品说明书所述最低输出功率的97.5%；以后每年平均输出功率衰减不大于该产品上一年输出功率的0.7%；25年后产品输出功率不小于其说明书所述最低输出功率的83%；

Multi-crystalline module: within the first year from the date of installation and normal operation, the output power shall not be less than 98% 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 97.5% of the Product's minimum output power as set forth in the Specifications. Afterwards, the loss of average annual output power shall not exceed 0.7% of the Product's output power of the immediately preceding year. After 25 years, the Product's output power shall not be less than 83% of its minimum output power as set forth in the Specifications.

- 2.4 如果在条款规定的时间内，组件的输出功率未达到以上约定的输出功率，天威新能源(成都)光伏组件有限公司将与买方一同分析原因。如天威新能源（成都）光伏组件有限公司确认属于己方责任，天威新能源（成都）光伏组件有限公司将提供在商业合理范围内最好的补偿方案，如提供额外的组件，修复或者更换组件，依据本质量保证书提供补偿金，延续原始提供的组件的质保期限等。如果当时提供的产品已经停止生产，天威新能源（成都）光伏组件有限公司将提供正在生产的标准产品作为补偿。

If the output power of the module does not meet the above levels within the time specified, the Supplier and the Buyer will jointly analyze the causes. If Supplier determines that the liability is attributable to itself, then Supplier 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 Supplier has ceased to manufacture the module in problem, the Supplier will provide the standard products it is manufacturing as remedy.

- 2.5 组件功率不足的补偿：对组件实际总功率与该批次组件承诺总功率的差额部分，天威新能源（成都）光伏组件有限公司以提供相应功率组件的形式予以补偿。

Compensation for the shortage of power: For the difference between the actual total output power and the committed total output power, the Supplier will compensate the Buyer with additional

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modules having the equivalent power.

### 3.前提 Preconditions

3.1 由于闪电，洪水，瘟疫，地震等天气条件造成的自然灾害造成的损失除外。

This Limited Warranty does not cover any losses caused by natural disasters, such as lightning, flood, pestilence, earthquake or other weather conditions.

3.2 本质量保证书不包括退赔故障组件在路途上的运输费用，也不包括装卸货产生的费用或者由此产生的其他费用。

This Limited Warranty covers neither the transportation charges of the Products to be returned, nor the unloading and reloading charges and other charges such occurred.

3.3 本质量保证书不包括任何产品型号或编号标识模糊不清的情况。

This Limited Warranty does not cover the situation that the type and serial number of any Products are illegible.

3.4 买方必须保证对产品合适的包装、搬运、存储、系统设计、安装、使用、环境及维护。

The Buyer must ensure proper package, handling, transportation, storage, system design, installation, use, environment and maintenance for the Product.

3.5 本质量保证书仅适用于买方，不适用于任何从买方购买产品的他方。本质量保证书下的所有权利及权益均不可转让。质量保证书下与任何产品有关的请求均应在该产品所适用的保证过期日前向(成都)光伏组件有限公司书面提出。

This Limited Warranty set forth above applies to Buyer only, and does not apply to any third parties buying Products from the Buyer. All rights and Interests under this Limited Warranty are not assignable. Any claims under this Limited Warranty with respect to any Product must be filed with the Supplier in writing prior to the applicable warranty expiration date for such Product

### 4. 质保免责声明 Warranty Disclaimer

除上述明确列出的内容外，天威新能源（成都）光伏组件有限公司和买方对产品或其他事项均未做出任何口头或书面、明示或暗示的陈述、保证或担保。该等被排除的暗示性的保证包括但不限于：（1）关于适销性的保证；（2）适合于某一特别目的的保证；以及（3）不侵权的保证。

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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 merchantability, (2) of fitness for particular purpose, or (3) non-infringement.