



Hebei Longze Metal Products Manufacturing Co., LTD

Technical Data Sheet: Solar PV Module Water Drainage Clips

Product Overview

Brand: Longze Fasteners

Product Name: Solar PV Module Water Drainage Clips / Anti-Dust Cleaning Clips

Material Options: High-Quality PA66 (UV-Resistant) / Stainless Steel 304 / Aluminum Alloy

Main Function: Automatically removes stagnant water and dust from the lower edge of PV panels, preventing "hot spot" effects and increasing power generation (5% - 30% improvement).

Application Scenarios: Rooftop Solar Arrays, Ground-Mounted PV Plants, Industrial Solar Farms with low tilt angles (5°-15°).

Dimensional Specifications (Standard Sizes)

Technical Specifications

<i>Size (Panel Frame Thickness)</i>	<i>Material</i>	<i>Clip Width</i>	<i>Installation Method</i>
<i>30 mm</i>	<i>PA66 / SS304</i>	<i>20 mm / 35 mm</i>	<i>Snap-on (No Tools)</i>
<i>35 mm</i>	<i>PA66 / SS304</i>	<i>20 mm / 35 mm</i>	<i>Snap-on (No Tools)</i>
<i>40 mm</i>	<i>PA66 / SS304</i>	<i>35 mm</i>	<i>Snap-on (No Tools)</i>

***Note: Please select the clip size that exactly matches your solar panel frame thickness.**

Mechanical & Physical Properties

<i>Property Item</i>	<i>Specification / Requirement</i>	<i>Standard</i>
<i>Service Life</i>	<i>20+ Years</i>	<i>Long-term Outdoor Use</i>
<i>Working Temperature</i>	<i>-40°C to +85°C</i>	<i>Extreme Weather Ready</i>
<i>UV Resistance</i>	<i>Excellent (Anti-aging PA66)</i>	<i>ASTM G154</i>
<i>Chemical Resistance</i>	<i>Resistant to Acid Rain & Cleaning Agents</i>	<i>-</i>
<i>Drainage Efficiency</i>	<i>Removes 98% of stagnant water</i>	<i>Lab Tested</i>

"Recommended with: Longze Solar Mounting Fasteners".

Eric's Professional Advice:

1.Optimization: For solar panels installed at a low angle (under 15°), water and dust tend to accumulate at the frame edge. Installing two clips per panel can effectively eliminate mud belts and increase energy yield.

2.Material Choice: For high-temperature regions (like Dubai), we recommend the Stainless Steel 304 version; for standard cost-effective projects, the UV-Resistant PA66 is the best choice.

3.Installation Tip: No need to remove the panel. Simply snap the clip onto the lowest point of the frame where water accumulates.

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