

Anti-Dust PV Module Solutions

Less Dust Accumulation, Higher Energy Yield.

WHY NEED ANTI DUST MODULES

As dust builds up on module surfaces, energy production can decline significantly while cleaning requirements increase, particularly in low-tilt rooftops, solar carports, BIPV installations, and other dust-prone applications.



Low-tilt Rooftops



Solar Carports



BIPV Applications

CANADIAN SOLAR ANTI-DUST PV MODULE SOLUTIONS

Canadian Solar's anti-dust modules help reduce soiling losses, maximize energy yield, and lower cleaning requirements throughout the system lifetime. Available in power classes ranging from 600 W to 650 W, the solution is designed for residential, commercial, and industrial applications, helping maintain cleaner module surfaces and reduce O&M costs.

Up to 11.0%

More
Energy Yield

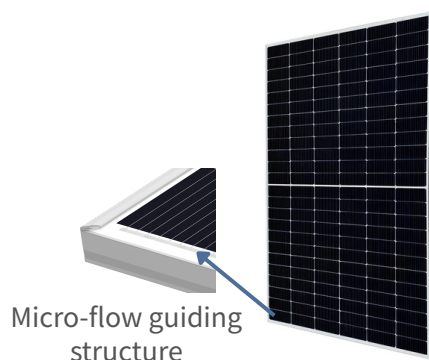
Up to 1%

Lower
O&M Cost

Up to 5%

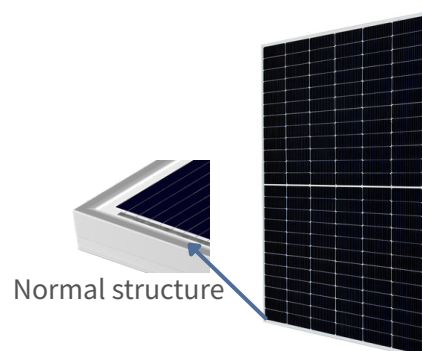
Lower
System LCOE

**Canadian Solar
Anti-Dust Module**



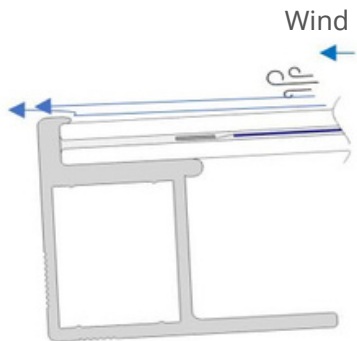
VS

Normal Module



How We Reduce Dust Accumulation

Canadian Solar's anti-dust modules feature a bottom frame design with a micro-flow guiding structure, helping reduce dust accumulation on the module surface.



Smooth Transition Design: Enables airflow and water flow to travel closely along the frame surface, reducing dust accumulation and improving self-cleaning performance.

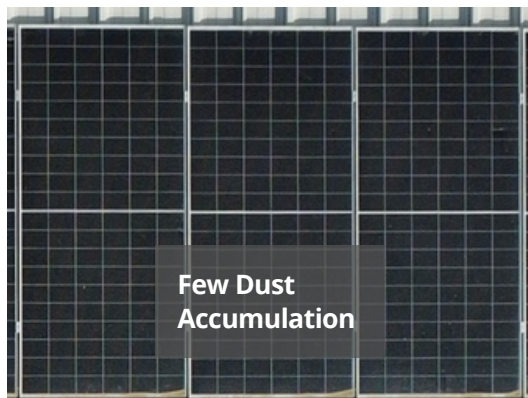
Optimized Lower-Edge: Reduces or eliminates vortex and stagnation zones along the lower edge, minimizing dust retention and buildup.

Integrated Frame: Eliminates the need for external drainage clips, reducing installation complexity and potential failure risks.

Outdoor Performance Validation

Validation date: October 2024 ~ February 2025

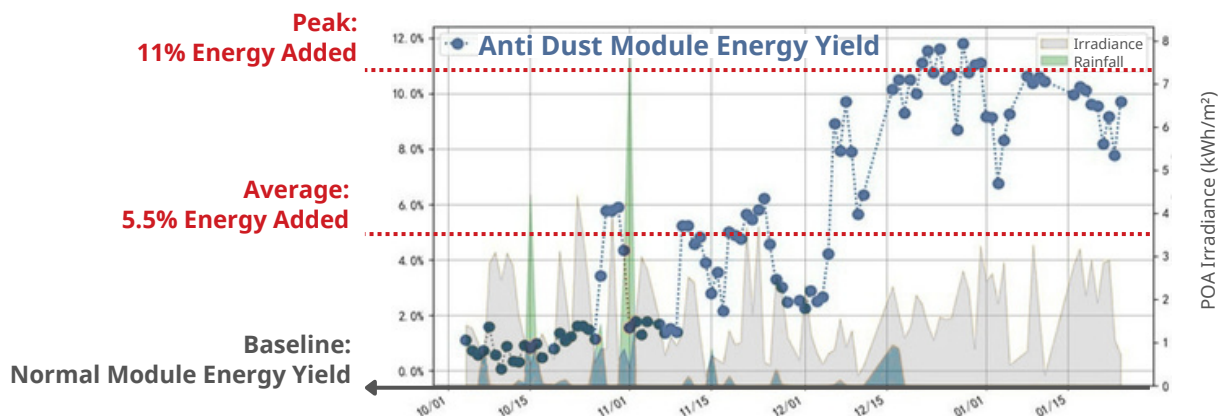
Proven to deliver cleaner module surfaces and higher energy yield under real-world operating conditions.



Canadian Solar Anti-Dust Modules

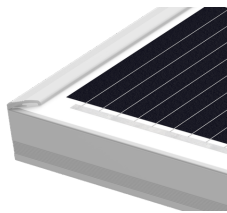


Normal Modules

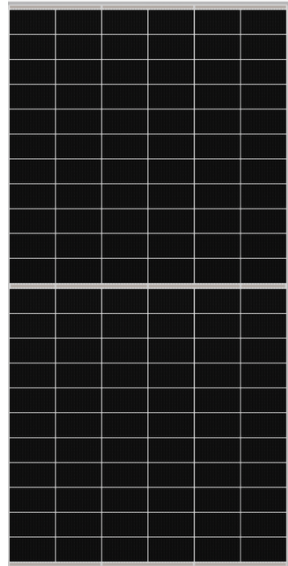


Anti-Dust Product Portfolio & Specifications

**600~650W
CS6.2-66TB**



Canadian Solar Anti-Dust
Micro-Flow Guide Frame



Management System Certificates

ISO 9001: 2015 / Quality management
ISO 14001: 2015 / Environmental management
ISO 45001: 2018 / Occupational health & safety
IEC 62941: 2019 / PV module manufacturing quality

Product Certificates

IEC 61215 | IEC 61730 | IEC 61701 | IEC 62716

Warranty

12 years enhanced product warranty on materials and workmanship
30 years linear power performance warranty

Reliability

Designed to withstand severe environmental conditions with mechanical load performance up to +5400/-2400 Pa.

Module Type	CS6.2-66TB
Cell Technology	TOPCon
Module Power	600~650W
Power Tolerance	0~10W
Module Efficiency	22.2%~24.1%
Module Size	2382 × 1134 × 30 mm
Module Weight	32.8 kg
Temperature Coefficient	-0.29%/°C
Operating Temperature	-40°C ~ +85°C
System Voltage	1500V (IEC)
Mechanical Load	+5400 / -2400 Pa
Frame (Long Side)	Aluminum Alloy Frame
Frame (Short Side)	Canadian Solar Micro-Flow Frame

**Specifications are subject to the product datasheets. For additional product information, please contact support@csisolar.com*