

Comparison of anti-dust accumulation of LONGi photovoltaic panels



Overview

LONGi's BC anti-dust modules reported an average monthly relative gain of 2.33% compared to conventional BC modules, reaching the highest daily gain of over 10% as per the results of a 7-month test conducted by China's National Photovoltaic Quality Inspection Center (CPVT) at an. It walks through dust accumulation and its impact on PV performance. It also looks at a few key dust accumulation scenarios and details how LONGi's design combats them. 08% in a single month and a monthly average. Perfect for both residential and commercial applications, these panels feature a revolutionary anti-dust short end frame design that ensures dust naturally slides off, keeping your panels clean and efficient. Featuring LONGi's innovative rectangular M11 wafer with TaiRay Inside, Guardian Anti-Dust. Anti-dust modules and anti-soiling solar panel coatings are not new, but LONGi's research and testing indicated that more could be done. Longi has released a back-contact solar module with 24.8% efficiency, featuring a power output of up to 670 W and a temperature coefficient of -0. (Photo Credit: LONGi) Chinese solar PV manufacturer LONGi has launched a new version of its Hi-MO X10 solar module with improved field performance attributes, based on its proprietary. Chinese Solar manufacturer LONGi is developing anti dust solar panels. Consumers using solar panels used to complain about dirt and debris which leads to reduced efficiency of the solar panels. Their technology and innovation shows that.

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LONGi's HPBC 2.0-Based Anti-Dust Module With 3-Layer Protection

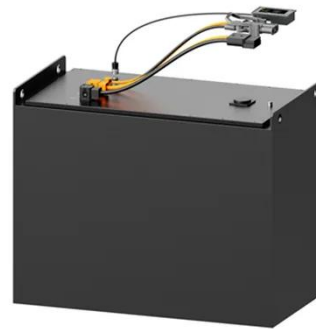
While improved dust accumulation, shade and fire resistance are part of the upgrade, the company stresses more on the anti-dust accumulation aspect. It is a comprehensive upgrade from ...

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LONGi releases world's first anti-dust solar panel

Comparative data shows that solar panels with anti-dust features can achieve a power generation gain of 2.04%, with a maximum gain of up to 6%. Calculations based on a 10,000 square meter roof ...

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How dust accumulates on solar panels, and how LONGi Hi-Mo 5 Anti ...

The power generation gain of the Hi-Mo 5 Anti-Dust solar module will vary by region and month due to factors like dust accumulation and rainfall, but LONGi's long-term outdoor testing (seen ...

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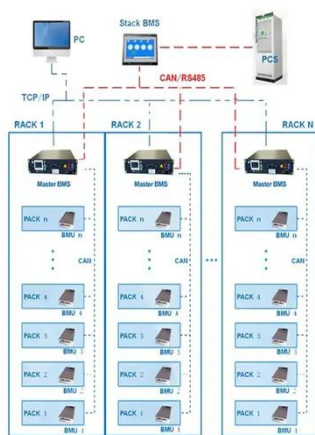
Anti-Dust Solar Panels Unveiled: A Leap Forward in Solar Efficiency

Chinese Solar manufacturer LONGi is developing anti dust solar panels. Consumers using solar panels used to complain about dirt and debris which leads to reduced efficiency of the ...

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BMS Wiring Diagram



Breaking Ground: LONGi's Game-Changing Anti-Dust Panels ...

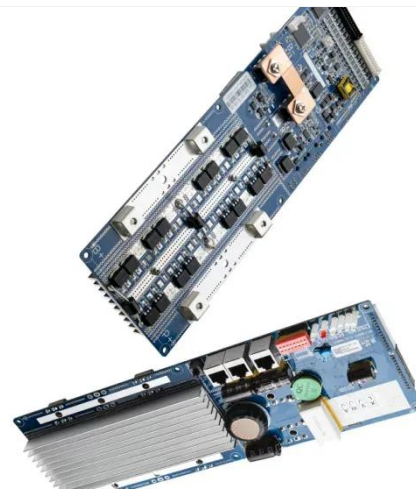
Utilizing LONGi's Back Contact Technology based anti-dust panels has resulted in a 6% additional power gain compared to standard modules, according to the company's R&D team.

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Hi-MO X6 Max Guardian Anti-Dust Solar Panels: Superior

Combining LONGi's advanced HPBC back contact technology with the new TaiRay cells, the Hi-MO X6 Max Guardian Anti-Dust Solar Panels are designed to stay clean and deliver optimal performance, ...

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Longi unveils anti-dust back contact solar module with 24.8% efficiency

Longi said the feature improves per-watt energy output by 2%. Combined with



HPBC 2.0, the Hi-MO X10 series reportedly delivers up to 10% higher energy yield than competing TOPCon ...

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Antidust modules from LONGi - SolarAcademy

It walks through dust accumulation and its impact on PV performance. It also looks at a few key dust accumulation scenarios and details how LONGi's design combats them.

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A holistic review of the effects of dust buildup on solar photovoltaic

In view of the above, this review article explores the different ways in which dust accumulation affects the power output of PV systems of PV systems and explores various dust ...

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LONGi introduces anti-dust PV module at WFES 2026

According to the announcement, the module features dust-free glass and a short-edge frame design without an A surface to reduce dust and snow buildup.

LONGi stated that the design ...

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