



Longi photovoltaic panel construction and installation process

What is the installation manual for LONGi Solar modules?

Installation Manual for LONGi Solar Modules This manual elaborates on installation and safety use information for Solar power generating modules (hereinafter referred to as module) of LONGi Green Energy Technology Co., Ltd.. (hereinafter referred to as LONGi Solar). Please abide by all safety precautions in this guide and local regulations.

How to install LONGi Solar?

LONGi modules can be installed less than 500mm but more than 50m from the seaside but stainless steel or aluminum shall be applied to contact solar PV Modules. And anti-corrosion protection shall be furnished for installation joints. See the installation requirements in Seaside Installation Instructions by LONGi Solar.

How to unpack LONGi Solar modules?

Open LONGi's packaging cartons per unpacking instructions provided by LONGi Solar. Do not hold the junction box or cables to lift the entire module in any case. Standing or walking on modules is strictly prohibited. Do not drop one module onto another module. To avoid any damage to the front glass of a module, do not put heavy objects on it.

Are LONGi Solar modules corrosion resistant?

LONGi Solar modules have passed IEC61701 salty mist corrosion test, but the corrosion may occur at the joints connecting the module frame and the mounting system or grounding joints. LONGi modules can be installed less than 500mm but more than 50m from the seaside but stainless steel or aluminum shall be applied to contact solar PV Modules.

Where should LONGi Solar modules be installed?

LONGi Solar modules shall be installed on proper buildings or other appropriate places (such as ground, garage, building outer wall, rooftop, solar tracking system) but shall not be installed on any mobile vehicle. Do not install modules at the places that may be submerged by water.

Can Longi modify product manual or installation manual without notice?

LONGi reserves the rights for modifying product manual or installation manual without notice in advance. If customers fail to install modules as per requirements set forth in this manual, the quality warranty provided for customers during sales will become invalid.

The Hi-MO 4 series is one of the few types of solar panel which uses gallium-doped silicon cells which increases the solar panel's resistance to degradation. This means the amount of power the panel will produce will remain higher because of a 0.55% per year degradation rate over a long period, than most other panels which have a typical annual ...

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Photovoltaic panels 460W - Longi Hi-MO 4m LR4-72HBD 440-460M The Longi Hi-MO 4m LR4-72HBD photovoltaic panel is a high-performance module designed for large-scale commercial and utility applications. With a power output ranging from 440W to 460W, this panel is suitable for a wide range of solar energy projects. The panel features advanced PERC cell technology and a ...

Photovoltaic panels 425W - Longi Hi-MO 6 Explorer LR5-54HTB 410-425M-V03 DG Longi Hi-MO 6 Explorer LR5-54HTB 410-425M-V03 DG is a type of photovoltaic panel with a nominal power output of 410-425 watts. It is manufactured by Longi, one of the top solar panel manufacturers in China. The panel comes with a 12-year product warranty and a 25-year linear power output ...

Installation Manual for LONGI PV Solar ... utilization and maintenance process. If patent rights or the third party rights are infringed by use of modules, LONGI will not take any responsibility. LONGI ... after assessment by construction experts or ...

This installation manual covers key electric and mechanical installation information, so please understand such information before installing LONGI modules. In addition, this manual also ...

en.longi-solar LONGI Solar Technology Co., Ltd. TEL:+86-400-9696199 Fax: +86-29-86686228 Installation Manual for LONGI Solar PV Modules 1500V Photovoltaic Modules Safety Notes This manual elaborates on installation and safety ...

Solar Panels perform at optimum capacity when placed in direct sunlight. When you install your Solar Power system, try to position your photovoltaic panels directly under the noontime sun for maximum efficiency ...

LONGI ROOF 4.0 BIPV system integrates photovoltaic power generation system, is a set of structural integrity, in line with the architectural design requirements of high-quality roof metal maintenance system, including purlins, inner panels, thermal insulation cotton, outer panels, photovoltaic power generation layer and other complete roof building nodes, click for details ...

Photovoltaic panels 560W - Longi Hi-MO 5m LR5-72HPH 540-560M The Longi Hi-MO 5m LR5-72HPH 540-560M photovoltaic panels are an efficient and reliable solution for solar energy generation. These 560W high-power panels are designed to maximize energy production and deliver excellent performance in various applications, from residential to large-scale ...

3 General Information 3.1 Modules identification Each module is pasted with 3 labels providing information below: Nameplate: It describes product type, standard rated power, rated current, rated voltage, open circuit voltage, short circuit current under testing conditions, certification indicator, maximum system voltage, etc.

This document provides installation instructions for LONGI Solar PV modules. It discusses module



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identification, electrical and mechanical installation requirements, safety precautions, site selection, tilt angle selection, mounting ...

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Harnessing the sun's power is a brilliant way to reduce electricity bills, shrink carbon footprint, and become more energy-independent. With its abundant sunshine hours in Australia, solar power is particularly appealing for homes and businesses. This guide delves into solar panel installation, providing a roadmap for homeowners and business owners considering this sustainable upgrade.

Electrical and mechanical installation information will be introduced in this installation manual, so please read and understand the information before installing LONGi modules. In addition, this ...

and maintenance process. When there is a dispute between the parties about the root-cause of module damage, the ... construction experts or engineers and with official analysis results for ...

COP29 Insights: Decoding LONGi's Strategy for Facing Climate Change and Advancing Energy Equity "As advancements in photovoltaic technology continue and costs steadily decline, the solar industry is increasingly overcoming the challenges posed by the intermittency and discontinuity of solar power in certain regions.

Firstly thank you very much for choosing LONGi PV modules! This installation manual covers key electrical and mechanical installation information, so please be fully aware of the ... maintenance process. If patent rights or the third party rights are infringed by use of modules, LONGi will not take any ... The roofing PV system shall be ...

Shanghai,China- June 14 th - On June 14th, at the highly anticipated 2024 SNEC Expo in Shanghai, LONGi Green Energy Technology Co., Ltd. (hereinafter referred to as "LONGi ") announced a major breakthrough in the development of its silicon-perovskite tandem solar cells.. According to authoritative certification by the European Solar Test Installation ...

INSTALLATION MANUAL FOR LONGi PHOTOVOLTAIC MODULES OF DG 08 4.1 Installation Site and Working Environment Installation Conditions04. CONDITIONS INSTALLATION 4.2 Selection of Tilt Angles Tilt angle of PV modules refer to the included angle between module surface and horizontal ground. The modules cannot be used in space

Installation Manual for LONGI PV Solar Modules Regular Modules Safety Notes This manual elaborates on installation and safety use information for PV power generating modules (hereinafter referred to as module) of LONGI Solar Technology Co., Ltd. (hereinafter referred to as LONGI). Please abide by all safety precautions in

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At Intersolar 2024, LONGi officially unveiled its new Hi-MO X6 Artist Ultra Black module with a 360-degree pure black appearance. LONGi achieves this new level of black through a special glass surface structure and a premium cell selection process using automated optical inspection (AOI) during the manufacturing process.

Bifacial photovoltaic panels 555W - Longi Hi-MO 5 LR5-72HBD 535-555M Longi Hi-MO 5 LR5-72HBD 535-555M bifacial photovoltaic panels offer an impressive power output of 555W, providing high efficiency and outstanding performance. These panels are designed to absorb solar radiation from both the front and rear sides, maximizing energy generation and making ...

LONGi Solar Technology Co., Ltd. TEL:+86-400-9696199 Fax: +86-29-86686228 en.longi-solar Installation Manual for LONGi Solar Modules 1000V Photovoltaic Modules Safety Notes This manual elaborates on installation and safety use information for Solar power generating

Photovoltaic panels 600W - Longi Hi-MO 6 Scientist LR5-72HTH 580-600M-V03 DG Longi Hi-MO 6 Scientist LR5-72HTH 580-600M-V03 DG is a high-efficiency photovoltaic panel designed for commercial and utility-scale solar projects. With a power output of 580-600 watts, these panels are capable of producing large amounts of electricity from sunlight. The panels are equipped ...

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