



# How to distinguish the authenticity of GCL photovoltaic panels

What are GCL solar panels?

GCL is a company that formed the GCL System Integration Technology Co. to facilitate their manufacturing of solar panels. They have been supplying solar panels in Australia for over two years and aim at dominating the Australian Solar market. GCL solar panels are the focus of this discussion.

How many GCL solar panels are there in Australia?

Currently, 39 GCL solar panels are approved by the Clean Energy Council (listed under the name of GCL System Integration Technology Co Ltd) for the Small-scale Renewable Energy Scheme - Australia's home solar rebate program. The GCL-M8/60H has 120 half cut monocrystalline solar cells and is one of GCL's best performing solar panels.

What is a GCL solar warranty?

The product warranty is designed to cover manufacturing faults in the panel that leads to damage or malfunction and is typically 10 years for most solar panel manufacturers. All GCL Solar panels offer a 10 year standard product warranty which is effectively the minimum expectation of the solar panel market.

Are GCL solar panels good quality?

GCL solar panels show some promise of being good quality (particularly the Saturn and Gemini series) through their ranking as a top performer by PV Evolution Labs independent testing. Unfortunately at this stage their offering in Australia (if it is currently available) lacks good customer support.

How to verify the authenticity of solar panels?

Proper documentation is critical in verifying the authenticity of solar panels: Purchase Invoice: Ensure the invoice matches the product details and includes the manufacturer's information. Warranty Documents: Genuine panels come with warranty documentation specifying the terms and conditions.

Does GCL solar have an office in Australia?

GCL Solar currently has no office located in Australia. Compare quotes from up to 7 installers in your area now. Currently, 39 GCL solar panels are approved by the Clean Energy Council (listed under the name of GCL System Integration Technology Co Ltd) for the Small-scale Renewable Energy Scheme - Australia's home solar rebate program.

Munich, Germany, June 14, 2023, -- GCL System Integration Technology Co., Ltd. ("GCL SI", SHE:002506), a leading one-stop renewable energy service provider, is exhibiting its flagship ...

Here, we provide a guide to choosing the best panels based on quality, efficiency, reliability, performance, and return on investment. In our detailed solar technology review, we also offer insight into the many ...

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NOTE: The cost to produce a watt of solar energy has dropped from around \$3.50 per watt in 2006 to \$0.50 per watt in 2018. Micro Inverters. Microinverters convert DC to AC at the panel ...

"Tier 1 solar panels" are solar panels made by large, reliable solar panel manufacturers. This classification was originally created by BloombergNEF in 2012. ... The main difference between Tier 1 solar panels and Tier 2 solar ...

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Then the solar panel takes that voltage and turns it into usable electricity. Photovoltaic cells are the part of the solar panel that reacts to the sun to create a positive and negative charge that creates a voltage that moves ...

The photovoltaic panel converts into electricity the energy of the solar radiation impinging on its surface, thanks to the energy it possesses, which is directly proportional to ...

GCL-P6/60 Solar Panel Electrical Data. NOTE: The fine print underneath the STC and NOCT charts explains the standardised conditions under which the panels were tested. Let's look at a few of the entries in the mechanical data chart.

$\eta$  is the yield of the solar panel given by the ratio : electrical power (in kWp) of one solar panel divided by the area of one panel. Example : the solar panel yield of a PV module of 250 Wp ...

The GCL P6/60 solar panel series has an efficiency between 16.1% and 18.7%. The GCL P6/60-270 has an efficiency rate of 16.6%. In addition, the GCL P6/60 solar panel has IP68 protection from dust and water, which adds to its ...

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