

# GCL 320w photovoltaic panel parameters

Does GCL-Si have a 320 W perovskite solar module?

GCL-SI has launched a new 320 W perovskite solar module. The company guarantees that the 10-year end power output will be at least 90% of the nominal output power, which decreases to 80% after 25 years. GCL System Integration (GCL-SI), the PV panel unit of GCL Group, unveiled a perovskite solar module at the SNEC trade show in Shanghai in May.

How efficient is a 320 W solar panel?

The 320 W panel has a power conversion efficiency of 16.02%. "We are currently planning to raise the efficiency of the panel to over 18%," a company spokesperson told pv magazine, noting that the module is currently being made on a pilot production line. The panel measures 2,005 mm x 1,005 mm x 35 mm and weighs 34.5 kg.

Where does GCL-Si manufacture solar perovskite?

GCL-SI already operates a 10 MW perovskite production line in Suzhou since 2019, and currently runs a 100 MW line with plans for further scaling to 1 GW. In the solar perovskite business, the manufacturer operates through its subsidiaries Kunshan GCL Photoelectric Materials Co., Ltd. and Suzhou GCL Nano Technology Co., Ltd.

What is the power tolerance of polycrystalline solar module plus?

300 W - 320 W Poly-crystalline Solar Module Plus power tolerance to +3% to ensure the high reliability of power output. PV glass design improves oblique irradiance performance and enhances module yield in low-light and medium-angle-light condition. Junction box and by-pass diodes guarantee the modules free of overheating and "hot spot effect".

What is PV glass design?

PV glass design improves oblique irradiance performance and enhances module yield in low-light and medium-angle-light condition. Junction box and by-pass diodes guarantee the modules free of overheating and "hot spot effect". 100% EL test before and after lamination, providing higher quality assurance.

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