

18039 - Colossus, 2 Pilot's Retreat,
St Mary's, Isles of Scilly TR21 0PN

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By Liv Rickman at 1:26 pm, Apr 10, 2025

Detail of Proposed Solar Photo Voltaic Panel

The proposed solar PV array will be comprised of the following or similar panels:

LG Solar (LG Electronics), 380W Lg Neon® 2 Monocrystalline Solar Panel

- **Dimensions: 1768 x 1042 x 40 mm**



This high-quality 380W solar panel is the best-selling solar module from world-leading solar manufacturer **LG Solar**. This **MCS certified** panel is perfect for a wide variety of applications, including grid-tie household systems.

Cello Technology™ enhances efficiency and reliability of the panel by replacing the small number of wide busbars in standard solar panels with nine thin wires. With decreased spacing between wires, electrical losses are reduced by giving electricity a shorter path to travel. Cylindrical cross-section keeps resistance low while deflecting more light onto the solar cell, unlike flat busbars which reflect light that hits them back out of the panel. The tight layout of the wires also gives electricity multiple paths, enhancing long-term reliability through added redundancy.

Robust Construction: Fully waterproof and designed for strong performance in a wide range of environments, this robust panel continues to perform well even in high temperatures or low irradiance – up to 30% more power than similar panels under high temperature conditions. The panel is rated for a load of up to **6,000Pa** from the front, equivalent to being buried under 1.8m of snow, and a rear load of **5,400Pa** which is greater than the force applied by hurricane-strength winds.

Superior Performance Warranty: Both the output and workmanship of the panel are guaranteed for an industry-leading **25 years**.

Roof Aesthetics: LG NeON® 2 has been designed with aesthetics in mind using thinner wires that appear all black at a distance. The LG NeON® 2 can increase the aesthetic value of your home with a more modern design.