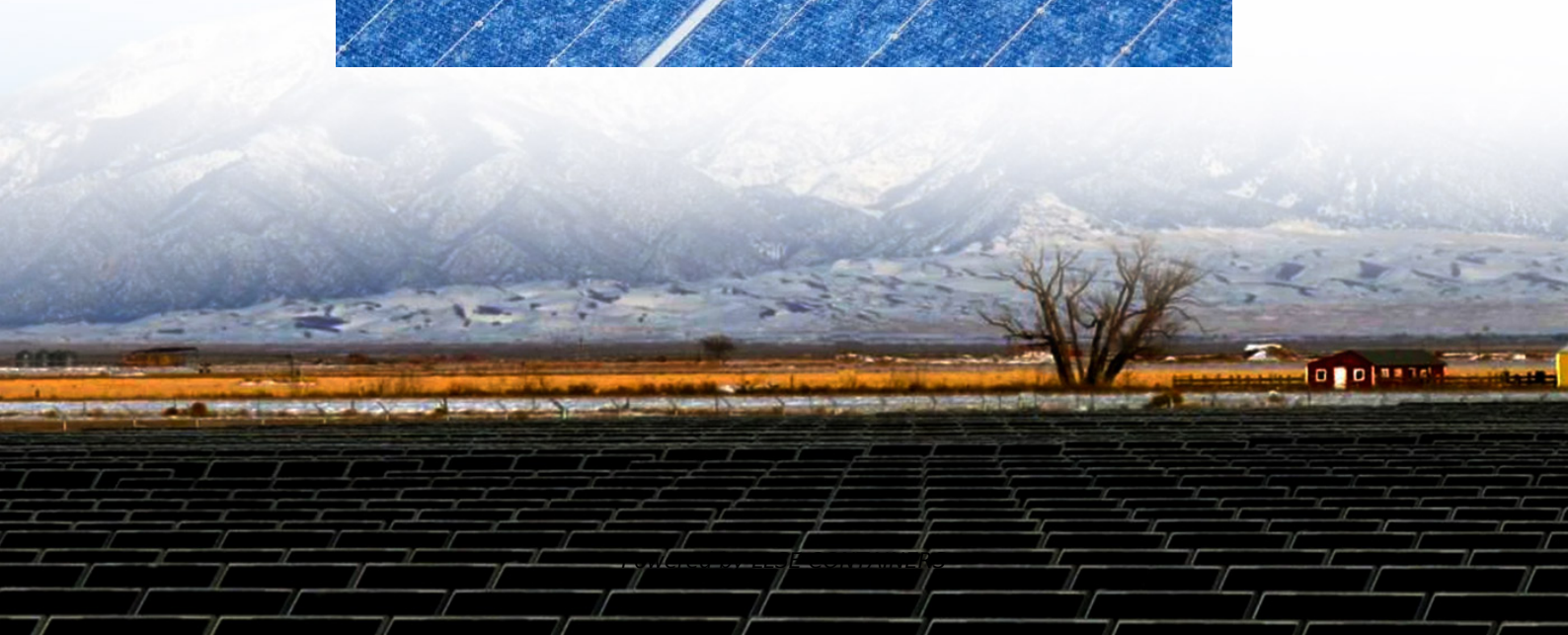
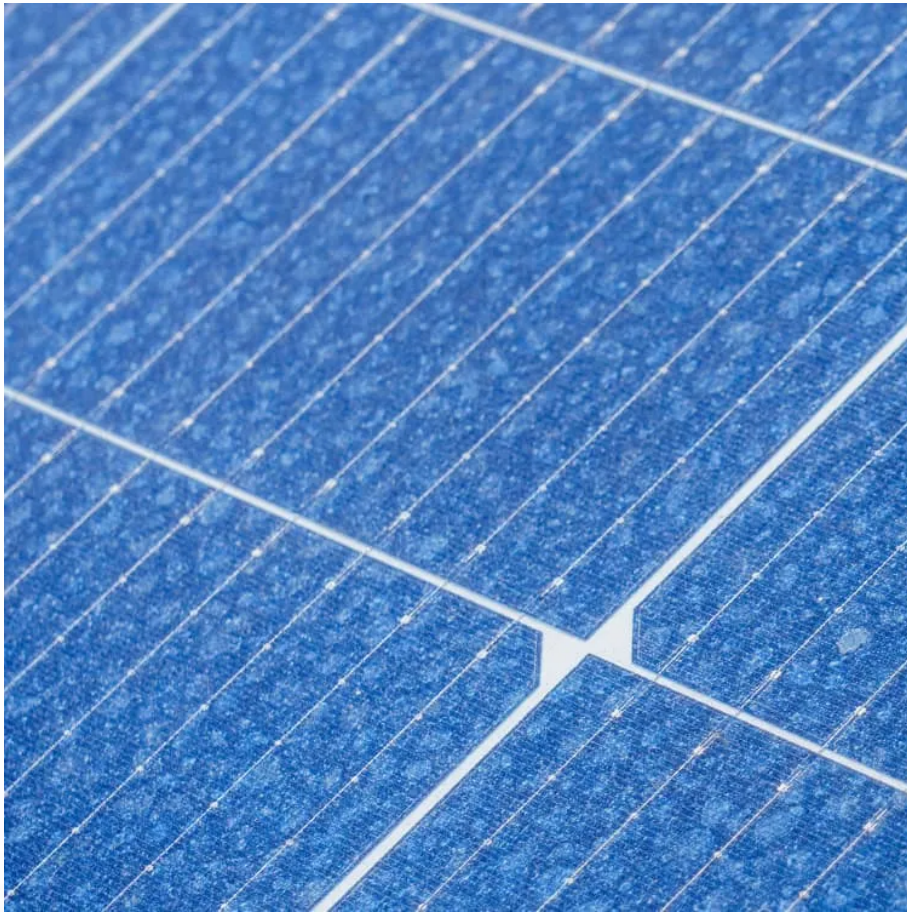


Ireland BIPV solar roof integrated panel specifications





Overview

What is a BIPV roof?

is a 2-in-1 technology which combine Panel + Metal Roof Building Material) together and mounted on building purlins part of the building itself. BiPV due to its building materials nature, mount tightly to purlins as part of the building, it can cover the full roof space, therefore roof space utilization rate can be often >90% (+20% higher).

What is a BIPV solar system?

Building Integrated System : BiPV Solar Panels forms the roof structure itself, therefore lesser materials required to be transported to site. The gap between panels and roof is also eliminated, preventing the Nested overlapping design, similar to conventional metal deck roofing construction is incorporated.

What are the requirements for BIPV roof panels?

BiPV roof panels shall be used only on roof slopes of two units vertical in 12 units horizontal (17-percent slope) or greater. R905.17.3 Underlayment. Underlayment shall comply with Section 905.1.1. R905.17.3.1 Ice barrier. Where required, an ice barrier shall comply with Section R905.1.2. R905.17.4 Ice barrier.

How many BIPV panels will be used?

A total of 24 BiPV panels @ 8.4kWp will be used to construct the canopy, along with hybrid inverters and battery system to ensure a Zero Emission solution is achieved. Site is heavily shaded from am to pm. To prevent entire array energy loss, BiPV panels are paired with 4 MPPT micro inverter Location : Kg Tua Melayu, Batam, Indonesia.



Ireland BIPV solar roof integrated panel specifications



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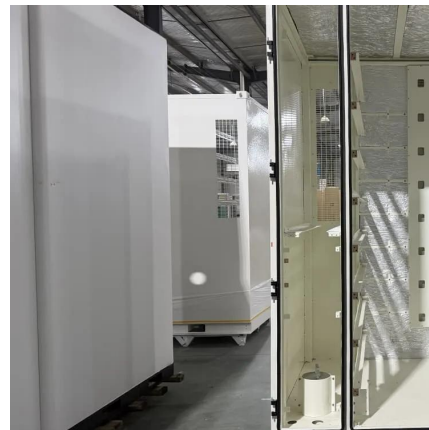
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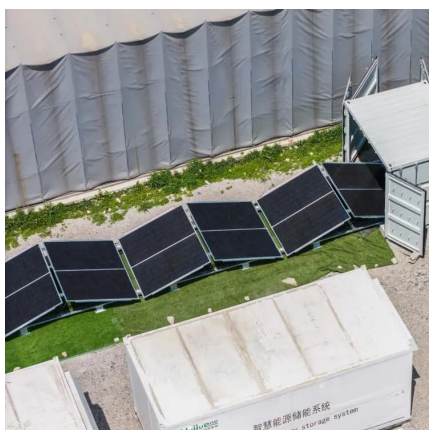


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