

Why did QW solar launch HJT modules in Japan?

QW Solar's HJT modules were displayed during PV Expo Japan. Image: PV Tech. Its launch in Japan has been driven by the acute scarcity of land faced by a number of Asian coastal nations, resulting in a shift towards the utilization of maritime resources.

What is Giwa 5 bifacial dual-glass?

Chu Yifan: In addition to our flagship product, the "GIWA 5" high-efficiency HJT bifacial dual-glass module, we have also launched the independently developed "OrcaEnergy XII" series. The GIWA 5-595 series, primarily designed for residential and C&I rooftops, features a 120-cell layout with mass production power of 585W and peak power of 595W.

What is thermal energy storage?

Thermal energy storage is used particularly in buildings and industrial processes. It involves storing excess energy - typically surplus energy from renewable sources, or waste heat - to be used later for heating, cooling or power generation. Liquids - such as water - or solid material - such as sand or rocks - can store thermal energy.

Which countries have pumped energy storage capacity?

Europe and China are leading the installation of new pumped storage capacity - fuelled by the motion of water. Batteries are now being built at grid-scale in countries including the US, Australia and Germany. Thermal energy storage is predicted to triple in size by 2030. Mechanical energy storage harnesses motion or gravity to store electricity.

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