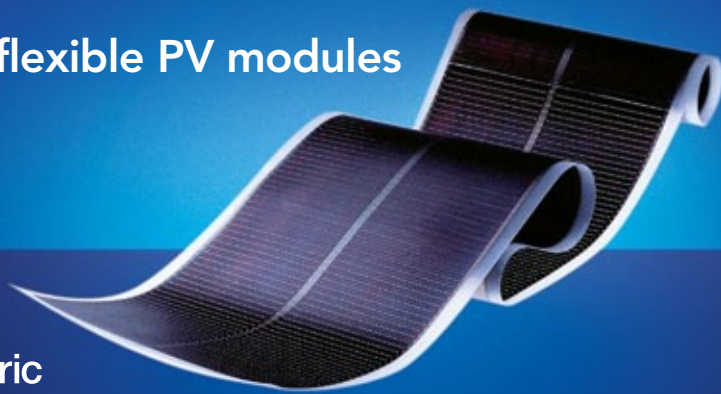


FWAVE

Lightweight flexible PV modules



THE POWER OF FWAVE

Unlike conventional crystalline silicon solar cells applied to glass substrate, Fuji Electric's award-winning FWAVE solar modules employ amorphous silicon applied in a tandem-structured layer to thin-film plastic. This module is remarkably light and flexible. FWAVE panels weigh a tenth of typical glass-based cells and conform to virtually any installation surface.

To achieve high-voltage generation, Fuji Electric developed SCAF: Series Connected through Aperture Formed on Film Substrate. Neighboring cells are connected in series, enabling FWAVE modules to directly connect to inverters for high system reliability.

FWAVE also represents an innovation in thin-film solar manufacture. Our dedicated roll-to-roll process ensures quality, reliability and cost-effective production.

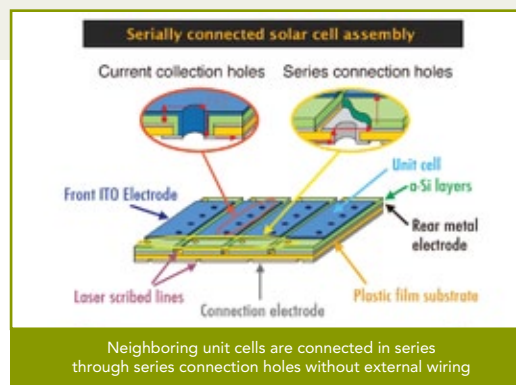
SUPERIOR TECHNOLOGY

PLASTIC SUBSTRATE

FWAVE is a "solar sheet" rather than a solar panel. It is 1mm thick, light and flexible enough to be rolled for shipping and transport. Fuji Electric's plastic thin-film substrate permits installation on any structure or shape and maximizes surface coverage. Handling and installation are virtually trouble-free as plastic is highly damage resistant. FWAVE solar sheets are the ideal alternative to bulky, rigid glass modules.

AMORPHOUS SILICON

Amorphous silicon (a-Si) offers a lower temperature co-efficient than crystalline silicon, permitting stable power generation at high temperatures and increasing the overall efficiency of the cell. FWAVE solar sheets output 10% more power annually than comparable crystalline solar modules. a-Si manufacture requires only 1/200 the amount of silicon and emits 50% less carbon dioxide. Thus, amorphous silicon is a sustainable choice for solar cell production and largely immune to material supply volatility.



HISTORY OF SUCCESS

Fuji Electric has been innovating solar cell technology for over 30 years and has installed solar products on over 50 certified green public buildings throughout Japan.

- 2005: 10KW FWAVE installation atop the Aichi, Japan World Exposition pavilion's curved roof.
- 2006: Major European solar integrator selects FWAVE for a 600KW installation.
- 2007: Fuji Electric's solar cell technology receives the prestigious Monodzukuri Nippon Grand Award from the Japanese Ministry of Economy, Trade and Industry (METI), recognizing products that display world-class competitive strength.
- 2008: 79KW FWAVE installation atop a moving sidewalk linking office towers in metro Yokohama, Japan.

PARTNERSHIP OPPORTUNITIES

FWAVE solar sheets are appropriate for numerous applications, from residences with metal or membrane roofs to public structures, office buildings and flexible surfaces such as tents, blinds or curtains where conventional solar panels cannot be installed. Fuji Electric seeks to partner with roofing suppliers and solar integrators among many others.