

A New Generation of Photovoltaic Power Systems

Una nueva generación de sistemas de energía fotovoltaica

MHI launches the MA, a new series of thin film photovoltaic modules

MHI lanza la Serie MA, una nueva serie de módulos fotovoltaicos de película delgada

The MHI MA series is a new line of cost-effective photovoltaic modules installable in any site not subject to mounting space constraints.

La Serie MA de MHI es una nueva línea de módulos fotovoltaicos rentables para instalarse en cualquier lugar que no tenga limitaciones de espacio.

MHI realized a high-performance, high-quality, manufacturing process for the large modules using advanced PCVD (plasma chemical vapor deposition), a key proprietary technology for the mass production of thin film (amorphous silicon) photovoltaic modules.

MHI llevó a cabo un proceso de fabricación de alto rendimiento y máxima calidad para los modelos de mayor tamaño mediante deposición de vapor químico de plasma (PCVD) avanzada, una tecnología patentada clave en la producción masiva de módulos fotovoltaicos de película delgada (silicio amorfo).

A thin film photovoltaic module is made from silane gas by depositing thin layers of semiconductor alloys on a glass substrate. In addition to its environmental advantages over the crystalline photovoltaic module (less energy used for manufacturing, less silicon required, shorter energy payback time), the thin film photovoltaic modules has a weatherproof structure and performs stably under high temperatures during summer. These features make the MA series an ideal solution for BIPV (building integrated photovoltaics) and grid-connected power systems for commercial and residential facilities.