
TMEIC Supplies SOLAR WARE STATION for the First Large-Scale Solar Power Generation Plant Developed by Independent Power Producer in Taiwan

—Delivering an Integrated Solution That Combines PV Inverters and Peripheral Equipment—

Toshiba Mitsubishi-Electric Industrial Systems Corporation (hereinafter, "TMEIC"; President & CEO Masahiko Yamawaki) has delivered its SOLAR WARE STATION, packaged with PV inverters, step-up transformer, high-voltage interrupter and other equipment to a utility-scale PV plant of 70MW built in Chiayi County, Taiwan, operated by Vena Energy Taiwan Solar Energy Ltd. (Taipei City, Taiwan)*1, a subsidiary of Vena Energy, the largest independent power producer (IPP) of renewable energy in the Asia-Pacific region.

The Taiwanese government has declared that by 2025 it wants 20% of Taiwan's electricity supply to come from renewable energy, up from 4%, with the target for solar power set at 20GW. The aforementioned large-scale solar power generation plant signals Taiwan's first such project handled by an independent power producer.

The SOLAR WARE STATION being used for the project is a PV inverter system that provides one-stop solutions by integrating the PV inverters and peripheral equipment in a single container. The quality of the stations was verified following completion of assembly and wiring prior to factory shipment. The stations were delivered as a finished product, thereby enabling on-site installation and reducing construction costs.

Comment by Vice President Naotada Sawada, Renewable Energy & New Technology Division:

"I'm extremely pleased to deliver these SOLAR WARE STATION units without incident to the first private-sector run utility-scale PV plant in the Taiwanese market. TMEIC will continue leveraging our extensive experience to benefit customers around the world. We aim to capture the top share in the PV market in Taiwan as well, where growth is anticipated."

Delivered the SOLAR WARE STATION (DC input voltage: 1000V; AC output power: 4.4MW)



Features of SOLAR WARE STATION

1. Simplified local installation and reduced construction costs due to integrated packaging of PV inverters, step-up transformer and high-voltage interrupter in a single container
2. Ease of maintenance and assurance of system quality
3. Can be installed in grueling environments such as high-temperature regions and regions with salt damage

[Reference] An aerial photo of Vena Energy Taiwan Solar Energy's 70MW solar power generation plant in Chiayi County, Taiwan



*1) Vena Energy Taiwan Solar Energy Ltd is subsidiary of Vena Energy, the largest independent power producer (IPP) of renewable energy in the Asia-Pacific region, with over 11 gigawatts in operation, construction and development. Headquartered in Singapore, and with presence in Japan, South Korea, Taiwan, Thailand, India, Australia, Indonesia and the Philippines, Vena Energy manages the development, design, procurement, construction management and operation of all its solar and wind projects.

Media inquiries

For further information, please contact the Corporate Branding Group at TMEiC.
Tokyo Square Garden, 1-1, Kyobashi 3-chome, Chuo-ku, Tokyo 104-0031, Japan
Tel: +81-3-3277-4319; Fax: +81-3-3277-4578

In order to respond to the needs of manufacturing sites that serve as a foundation for supporting society, TMEiC always sets its eyes on the future of industry, society and the environment as an industrial systems integrator striking a balance between the development of society and a beautiful global environment. TMEiC will contribute to manufacturing and environmental management through leading-edge technologies based on its core technologies of rotating machinery, power electronics and engineering.