
TMEIC First Company to Obtain VPC Certification in Taiwan for a 1,500Vdc Central-type PV Inverter for Utility-Scale PV Plants

- Aiming for Top Share in Taiwan Through High Standards for Efficiency, Quality, and Safety -

On April 1, 2021, Toshiba Mitsubishi-Electric Industrial Systems Corporation (hereinafter, "TMEIC"; President & CEO Masahiko Yamawaki) obtained Voluntary Product Certification (VPC) in Taiwan for its 1,500Vdc PV inverter (model PVH-L2670E) for utility-scale photovoltaic (PV) plants. TMEIC was the first in the industry to obtain the certification for a 1,500Vdc central-type PV inverter in Taiwan.

VPC is a certification introduced by the Bureau of Standard, Metrology, and Inspection (BSMI) in Taiwan to guarantee high efficiency, quality, and safety for various products. All PV plants in Taiwan must use PV inverters certified by VPC.

In Taiwan, the introduction of PV plants with 20GW-capacity is expected in the future to meet the country's target of increasing the percentage of renewable energy to 20% relative to total power generation by 2025. Plans for the installation of these utility-scale PV plants are progressing at pace. Although 1,000Vdc PV inverters have been the most common models used in PV plants, demand is increasing for 1,500Vdc models due to growing needs for high voltage and large capacity.

TMEIC obtained certification for model PVH-L2670E (Input voltage: 1,500Vdc, Rated capacity: 2.67MVA) to meet these needs, building on VPC certification for a 1,000Vdc model acquired in July 2020. With its proven track record in installing such facilities and providing stable operation in Taiwan, TMEIC intends to contribute to expanding these facilities in the future.

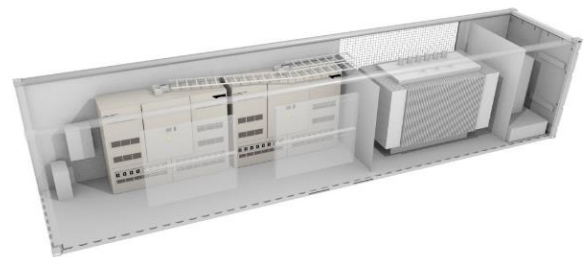
TMEIC has an extensive record of delivering this model to PV plants with a capacity of 5GW and above, where the SOLAR WARE STATION, packaged with up to two PV inverters and including a step-up transformer and high-voltage interrupter as optional extras, enables the environmental durability required for structures in regions prone to salt damage in Taiwan.

Comments from Vice President Naotada Sawada, Renewable Energy & New Technology Division

"TMEIC was the first company to obtain VPC certification for a 1,500Vdc central-type PV inverter in Taiwan. We have already established a local service network there, too, so that our customers in Taiwan can use TMEIC systems with peace of mind over the long term. With our exceptional technology and quality, we will continue seeking to maximize benefits for customers and aim to grab a top share of the PV inverter market for PV plants in Taiwan, where high growth is expected."



[Reference 1] Image of PVH-L2670E (Output 2.67MVA)



[Reference 2] Image of SOLAR WARE STATION (Output 5.34MVA)

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