

TMEiC

SOLAR WARE 250

Large Scale PV Inverter Solution



PVG-L0250/NA

SOLAR WARE 250

- High efficiency in the class: 98.2%
- High efficiency at low-load conditions
- Featuring compact footprint
- Grid connection features
- CE Certified



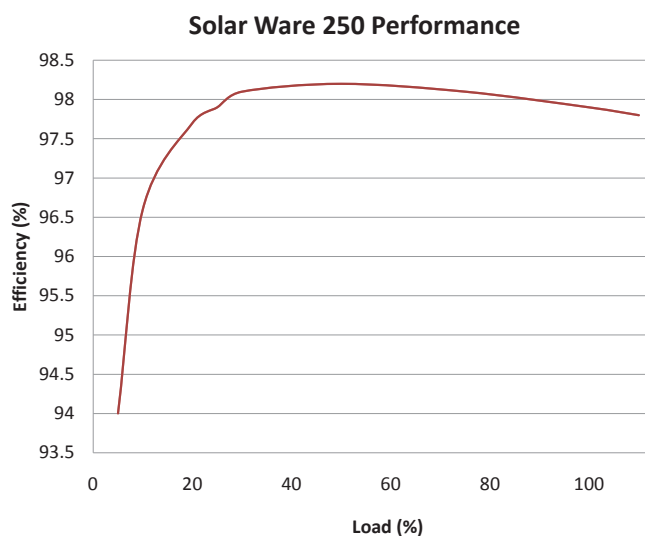
Engineered to Perfection

TMEIC's SOLAR WARE 250 brings next generation PV inverter to a whole new level. With high efficiency conversion rate of 98.2%

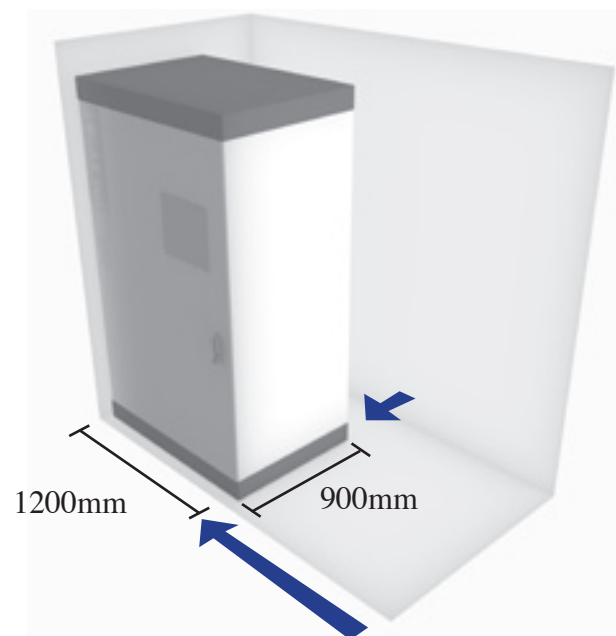
This state-of-the-art piece of equipment has been highly engineered and designed for high efficiency AC/DC conversion at low-load condition allowing faster investment recovery.

Easy Maintenance

TMEIC's implementation of withdrawable IGBT stack, TMEIC Solar Ware 250 can be serviced very easily, simply by removing and replacing through slider type design.



More compact inverter size compared to competitor inverters



Size matters!

With the latest technology and highest engineering skills, TMEIC's SOLAR WARE 250 is packaged into a very compact dimensions. Compared to many of the competitor products, the foot print is 1.5 to 2 times reduced.

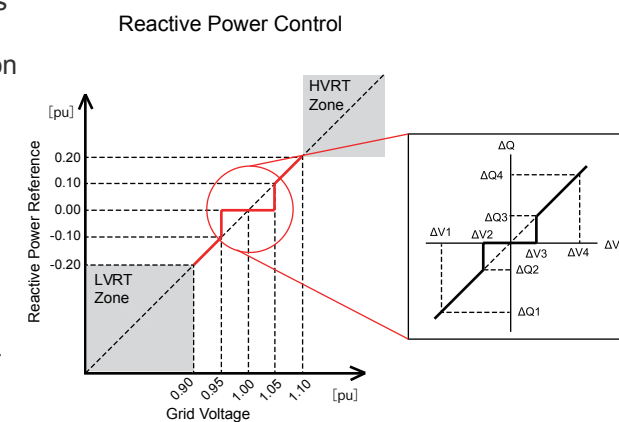
Intelligently compacted into a miniature package, cost for shipping, handling, and installation can be significantly reduced.

Grid Connection Features

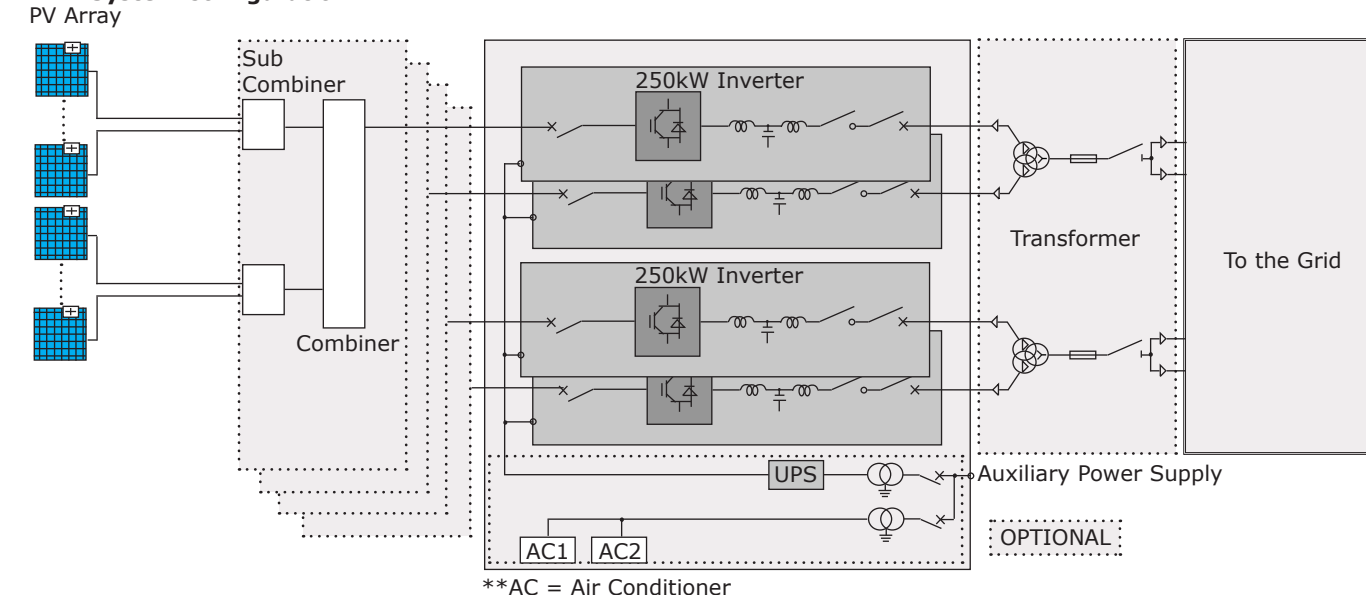
TMEIC has long history working with Japanese power companies and have developed the grid connection features together. All of TMEIC's utility scale inverters come with the latest interconnection technology enhanced by most skilled engineers and scientists.

The features include:

- Power Factor Control
- Reactive/Active power control
- Fault Ride Through
 - Voltage Ride Through (Low Voltage Ride Through)
 - Frequency Ride Through
- TMEIC's proprietary Anti-islanding technique: Slip-mode Frequency Shift Method.



1MW System Configuration

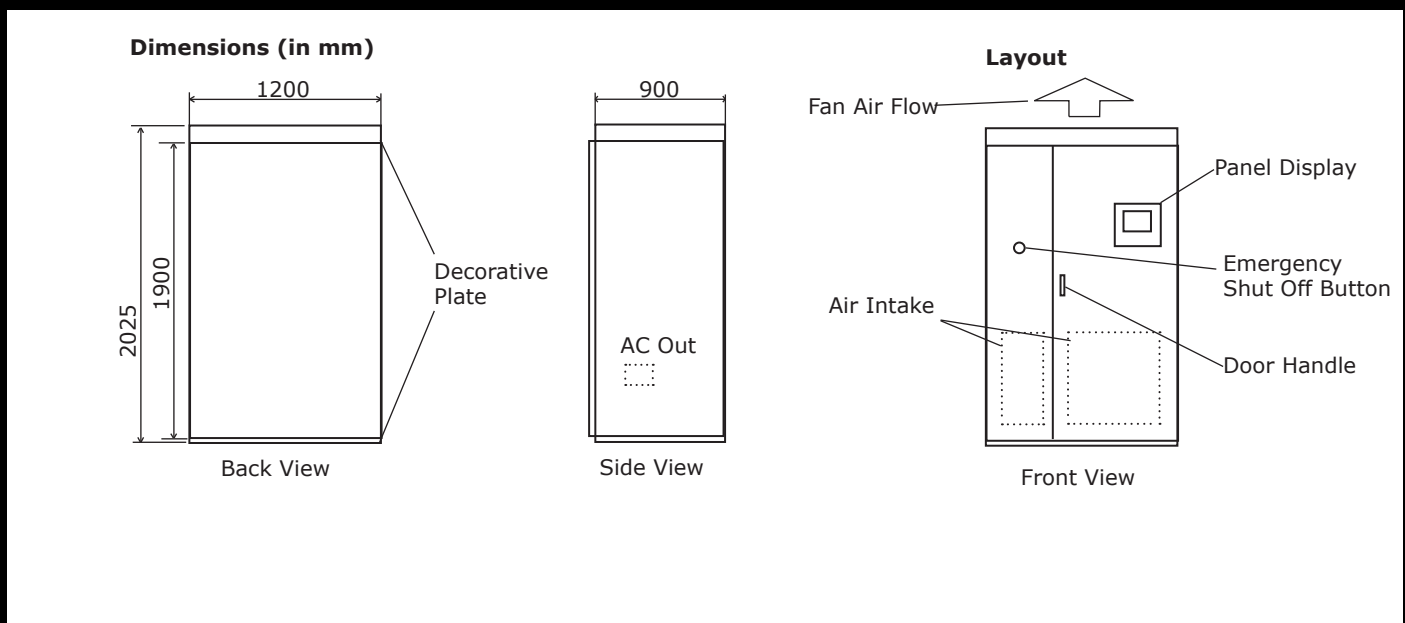


SPECIFICATIONS

Type		PVG-L0250
Input Side (DC)	Maximum DC Power	275kW
	Maximum DC Voltage	1000V
	MPPT Operating Range	450-850V
	Maximum DC Current	580A
Output Side (AC)	Nominal AC Output Power	250kW
	Nominal AC Voltage	300V 3-phase, 3-wire system
	Nominal AC Frequency	50/60Hz
	Nominal AC Current	481A
	Power Factor	>0.99 (Rated Power)
	Harmonic Distortion of AC Current	<3% (Rated Power)
	Maximum Efficiency	98.2%
	CEC Efficiency	98.0%
	European Efficiency	97.8%
Environmental Conditions	Enclosure Protection Ratings	IP2X (Indoors)
	Relative Humidity	15% to 85% (not condensing)
	Ambient Temperature Range	-20 °C to + 50 °C*1
	Max. Altitude Above Sea Level	1000m (Optional: 2000m)
Protective Functions	Input (DC) side	Ground fault, DC reverse current, Over Voltage, Over Current
	Grid (AC) side	Anti-islanding, Over/Under Voltage, Over/Under Frequency, Over Current
	Grid Assistance	Reactive/Active power control, Fault Ride Through, Power factor control
User Interface	Local Control Panel	LCD (3.8inch, QVGA) with Touch-Screen
	Communications	Ethernet / RS485
	Fault Analysis	Fault Event Log, Waveform Acquisition
Compliance (CE Conformity)		Low Voltage Directive: 2006/95/EC (EN50178) EMC Directive: 2004/108/EC (EN61000-6-2, EN61000-6-4)
Cooling Method		Forced air cooling
Inverter Dimensions (H X W XD)		1900mm X 1200mm X 900mm
Unit Weight		1000kg

Note): *1: Need optional heater below -10°C, Power de-rating over +40°C

DIMENSIONS



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Specifications subject to change without notice
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