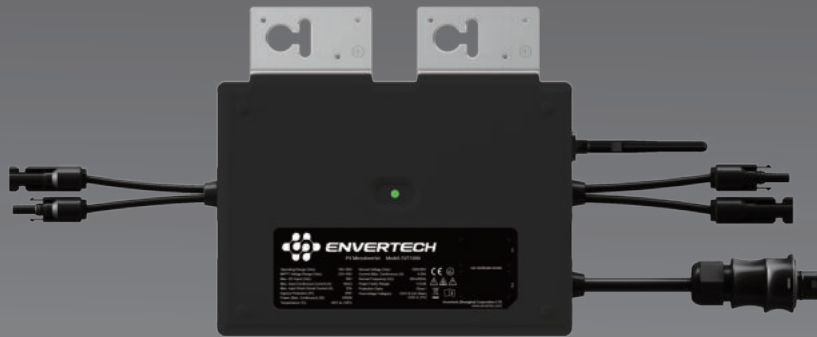


# EVT1000

Connected to two panels



-Type B

**SAFE**  
Low DC voltage.

**QUALITY**  
Components selected from world-class brands.

**MONITORING**  
Built-in WiFi or additional monitoring device\* available.

**FLEXIBILITY**  
Adapts to any system size and optimizes space.

**PLUG & PLAY**  
Fast installation and better adaptation to small systems.

**15 YEARS**  
Long 25 years lifetime; optional up to 20 years warranty.

**MODULE-LEVEL**  
Module-level optimization & monitoring.

Monitoring device\*: Monitoring devices are optional at extra cost.



## Monitoring

Enables users to manager the systems in a smart digital ways via PLCC or Built-in Wifi.

# DATASHEET

**Model**

**EVT1000**

## Input Data (DC)

Recommended Input Power Range(STC)	(250W-650W+)*2
Max. DC Input (V)	60V
Isc PV (Absolute Max.) (A)	25A
Operating Range (V)	16V~60V
Max. Input Current (A)	18A*2
MPPT Voltage Range (V)	22V-50V

## Output Data (AC)

Normal Voltage (Vac)	220V/230V
Voltage Range (Vac)	189-260V
Current (Max.continuous) (A)	4.55A
Frequency (Hz)	50Hz/60Hz
Frequency Range (Hz)	47.5-52.5Hz/57.5-62.5Hz
Power (Max.continuous) (W)	1000W
Power Factor/Rated (default)	+/-0.90
Total Harmonic Distortion	<3%

## Efficiency

Peak Efficiency	96.8%
MPPT Efficiency	99.9%
Nighttime Power Consumption	<100mW

## Features

Communication	PLCC (Power Line Carrier Communication) / WiFi
Compliance	VDE-AR-N 4105, IEC/EN61000, IEC/EN62109-1/2, EN50549-1/2019, TOR 2019, C10/11:2019, CEI 0-21 UTE C15-712-1:2013, VFR 2019 ( See individual datasheet for specific product certifications )
Warranty	15 years (20 years optional)

## Others

Ingress Protection (IP)	IP 67
Protective Class	Class I
Temperature (°C)	-40°C to +65°C
Relative Humidity	0% - 98%
Overvoltage Category	OVC III (AC Main), OVC II (PV)
Inverter Isolation	☑ High Frequency Isolated
Weight	3.7kg
Dimensions (W*H*D)	264mm*194mm*35.5mm