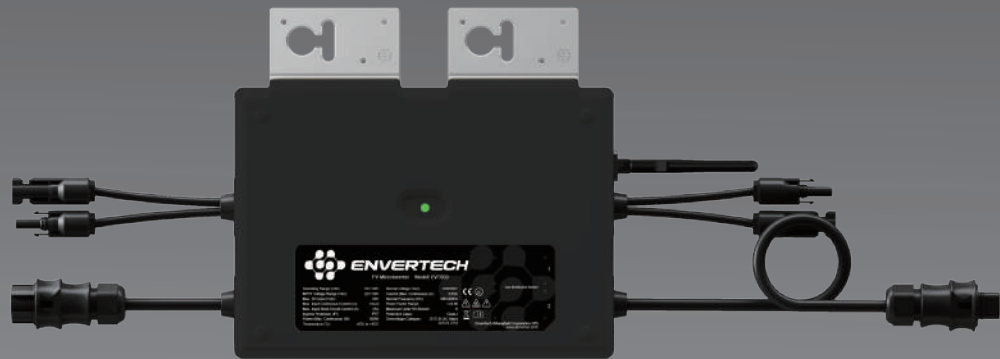


EVT1000

Connected to two panels



-Type R



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 manage 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%
Maximum Units Per Branch (12AWG Cable)	5 Units

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 (-40°C to +65°C
Relative Humidity	0% - 98%
Overvoltage Category	OVC III (AC Main), OVC II (PV)
Inverter Isolation	☑ High Frequency Isolated
Weight	4.1kg
Dimensions (W*H*D)	264mm*194mm*35.5mm