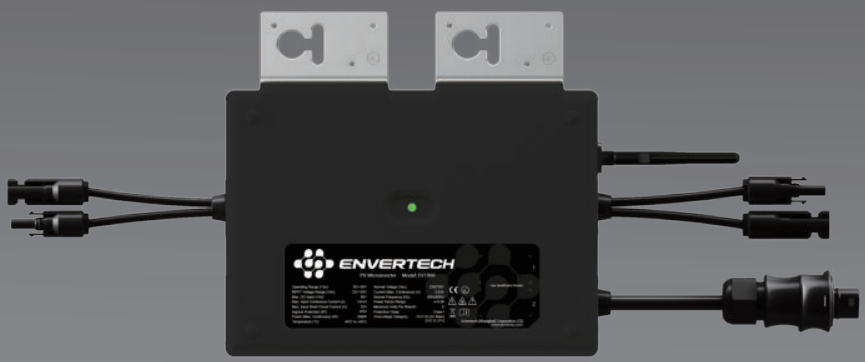
## Microinverters

# 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**
No End cap required. Perfect for balcony or garden installations.

**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% |
| Maximum Units Per Branch (12AWG Cable) | N/A |
| **Efficiency** | |
| Peak Efficiency | 96.8% |
| MPPT Efficiency | 99.9% |
| Nighttime Power Consumption | ＜100mW |
| **Features** | |
| Communication | PLCC(Power Line Carrier Communication) / Wi-Fi |
| Compliance | LVD 2014/35/EU, EMC 2014/30/EU, RED 2014/53/EU, ROHS, REACH, EN 50549-1/10, IEC 62116&IEC 61727, VDE-AR-N 4105, VFR 2019, UTE C15-712-1, DIN VDE V 0126-1-1, C10/11, TOR, NC-RfG, NA/EEA-NE7 – CH 2020, NTS |
| Warranty | 15 years (20 years optional) |
| **Others** | |
| Ingress Protection (IP) | IP 67 |
| Protective Class | Class I |
| Temperature (℃) | -40℃ to +65℃ |
| 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 |