

EVT400

Connected to one single panel.




-Type P



SAFE
Low DC voltage.




QUALITY
Components selected from world-class brands.



OPTIMIZATION
Individual MPPT for each module.



FLEXIBILITY
Adapts to any system size and optimizes space.



PLUG & PLAY
Hand-in-hand design, fewer add-ons, and fast installation.



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



SMART*
Module-level online smart monitoring.

Smart*: Smart monitoring devices are optional at additional cost.



Monitoring Device EVB300

Communicates with Envertech microinverters and enables users to manage the systems in a smart digital way.

DATASHEET

Model

EVT400

Input Data (DC)

| | |
|------------------------------------|------------|
| Recommended Input Power Range(STC) | 180W-550W+ |
| Max. DC Input (V) | 60V |
| Isc PV (Absolute Max.) (A) | 25A |
| Operating Range (V) | 16V-60V |
| Max. Input Current (A) | 14A |
| MPPT Voltage Range (V) | 22V-50V |

Output Data (AC)

| | |
|--|---------------------------|
| Normal Voltage (Vac) | 220V/230V |
| Voltage Range (Vac) | 189-260V |
| Current (Max.continuous) (A) | 1.81A |
| Frequency (Hz) | 50Hz/60Hz |
| Frequency Range (Hz) | 47.5-52.5Hz / 57.5-62.5Hz |
| Power (Max.continuous) (W) | 400W |
| Power Factor/Rated (default) | +/-0.90 |
| Total Harmonic Distortion | <3% |
| Maximum Units Per Branch (12AWG Cable) | 13 Units |

Efficiency

| | |
|-----------------------------|--------|
| Peak Efficiency | 96.5% |
| MPPT Efficiency | 99.9% |
| Nighttime Power Consumption | <100mW |

Features

| | |
|---------------|---|
| Communication | PLCC (Power Line Carrier Communication) |
| 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 |
| 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 | 1.8kg |
| Dimensions (W*H*D) | 163.3mm*163.7mm*35.5mm |