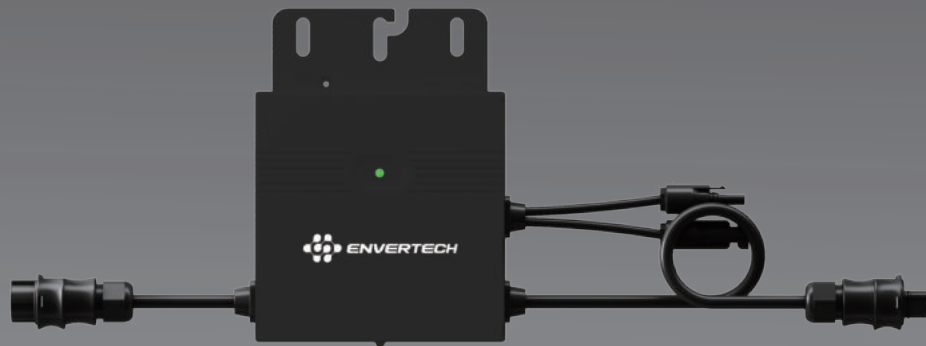


# EVT500

Connected to one single panel.



-Type P



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

EVT500

### Input Data (DC)

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

### Output Data (AC)

Normal Voltage (Vac)	220V/230V
Voltage Range (Vac)	189-260V
Current (Max.continuous) (A)	2.27A
Frequency (Hz)	50Hz/60Hz
Frequency Range (Hz)	47.5-52.5Hz / 57.5-62.5Hz
Power (Max.continuous) (W)	500W
Power Factor/Rated (default)	+/-0.90
Total Harmonic Distortion	<3%
Maximum Units Per Branch (12AWG Cable)	10 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