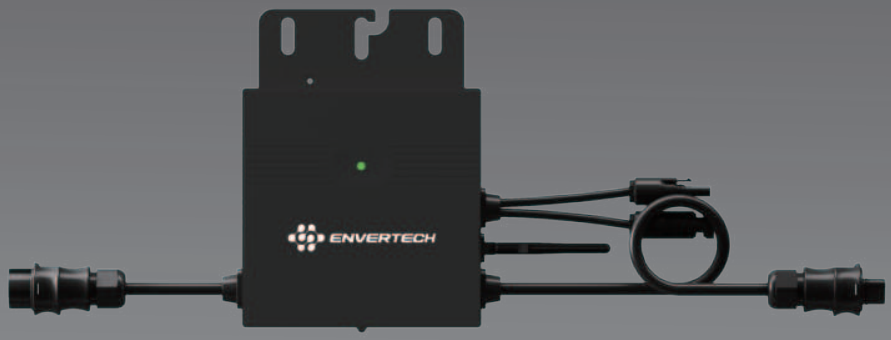
Microinverters

EVT500

Connected to one single 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
Hand-in-hand design, fewer add-ons, and fast installation.

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.

ENVERTECH
www.envertec.com

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) / Wi-Fi
Compliance	LVD 2014/35/EU, EMC 2014/30/EU, RED 2014/53/EU, ROHS, WEEE, 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 (C)	-40℃ to +65℃
Relative Humidity	0% - 98%
Overvoltage Category	OVC III (AC Main), OVC II (PV)
Inverter Isolation	⊠ High Frequency Isolated
Weight	2.1kg
Dimensions (W*H*D)	163.3mm*163.7mm*35.5mm