

# EVT560

Connected to two panels



**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

EVT560

### Input Data (DC)

Recommended Input Power Range(STC)	(180W - 450W+) *2
Max. DC Input (V)	54V
Isc PV (Absolute Max.) (A)	15A
Operating Range (V)	18V-54V
Max. Input Current (A)	12A*2
MPPT Voltage Range (V)	24V-45V

### Output Data (AC)

Normal Voltage (Vac)	220V/230V
Voltage Range (Vac)	189-260V
Current (Max.continuous) (A)	2.72A
Frequency (Hz)	50Hz/60Hz
Frequency Range (Hz)	47.5-52.5Hz / 57.5-62.5Hz
Power (Max.continuous) (W)	600W
Power Factor/Rated (default)	+/-0.95
Total Harmonic Distortion	<3%
Maximum Units Per Branch (12AWG Cable)	8 Units

### Efficiency

Peak Efficiency	96.8%
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	2.8kg
Dimensions (W*H*D)	248mm*169mm*27.5mm