



Microinverter Datasheet

Model	EVT300	EVT560
Input Data (DC)		
Recommended input power range (STC)	180W~360W	180W~360W*2
Maximum input DC voltage	54V	54V
Start voltage	22V	22V
Peak power tracking range	24V~42V	24V~42V
Operating range	18V~54V	18V~54V
Maximum DC short circuit current	15A	15A
Maximum input current	12A	12A*2
Output Data (AC)		
Peak output power	300W	560W
Rated output power	290W	540W
Nominal output current	1.26A	2.35A
Nominal voltage	230V	230V
Nominal frequency	50Hz	50Hz
Power factor	>0.99	>0.99
Total Harmonic Distortion	<3%	<3%
Maximum units per branch	20 units (12AWG Cable)	10 units (12AWG Cable)
Efficiency		
Peak inverter efficiency	95.6%	95.8%
EURO weighted efficiency	95%(according to the EN50530)	95.1%(according to the EN50530)
Nighttime power consumption	100mW	120mW
Mechanical Data		
Enclosure environmental rating	IP67	IP67
External operating temperature range	-40°C~+65°C	-40°C~+65°C
Dimensions (WxHxD)	163mm*163mm*27mm(Without bracket)	248mm*172mm*27.5mm(Without bracket)
	163mm*216mm*27mm(With bracket)	248mm*238mm*27.5mm(With bracket)
Weight	1.5Kg	2.4Kg
Features		
Communication	PLCC (Power Line Carrier Communication)	
Compliance	VDE-AR-N 4105, VDE 0126-1-1, UTE C15-712-1, EN50438, IEC/EN62109, IEC/EN61000	
Warranty	15 Years	
Life time	25 Years	

Highlights

- ◆ High-quality energy harvest with high MPPT accuracy
- ◆ Concentrated reliability and stability
- ◆ No single-point failure
- ◆ Improved safety with integrated complete set of protection functions
- ◆ Lifetime free remote monitoring at solar panel's level
- ◆ Flexibly adapted to almost all 60-cell or 72-cell panels
- ◆ Easy installation
- ◆ Long life time

The EVT microinverter as a cutting-edge spokesman for the microinverters in the new era, has full sincerity and devotion to stability, details and more advanced tech. The EVT microinverter seeks to enable best improved solar energy harvest, highest possible reliability, much simplified installation and most efficient management of solar power systems.

Each EVT microinverter is individually connected to one/two solar panel(s) with every MPPT(Maximum Power Point Tracking) respectively for every panel. This unique configuration minimizes the negative impact from environment such as shading, dust, orientation or panel aging and eliminates the possibility of single-point failure, thus improving the system's harvest to largest extent.