



Microinverter

Model EVT300

Highlights

- ◆ Improved safety level
- ◆ High-quality energy harvest with individual MPPT
- ◆ No single-point failure
- ◆ Serial design - Plug & Play easy installation
- ◆ Lifetime free remote monitoring at module level

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.

Microinverter Datasheet

Model	EVT300
Input Data (DC)	
Max. DC Input (V)	54 V
Isc PV (Absolute Max.) (A)	15 A
Operating Range (V)	18 V-54V
Max. Input Current (A)	12A
MPPT Voltage Range (V)	24~45V
Output Data (AC)	
Normal Voltage (Vac)	220V/230V
Frequency (Hz)	50Hz/60Hz
Current (Max. continuous) (A)	1.36A
Power (Max. continuous) (W)	300 W
Power Factor /Rated(default)	>0.99
Total Harmonic Distortion	<3%
Maximum Units Per Branch	20 Units (12AWG Cable)
Efficiency	
Peak Inverter Efficiency	95.4%
EURO Weighted Efficiency	95%
MPPT Efficiency	99.9%
Nighttime Power Consumption	<100 mW
Features	
Communication	PLCC(Power Line Carrier Communication)
Compliance	VDE-AR-N 4105、VDE0126-1-1、UTE C15-712-1、EN50438、IEC/EN62109-1/2、 IEC/EN61000、AS4777、IEC61727、IEC61683、IEC62116
Lifetime	25 Years
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	<input type="checkbox"/> Non-isolated <input checked="" type="checkbox"/> High frequency isolated
Weight	1.8kg
Dimensions	163mm*216mm*27mm