ENVERTECH

warranty 25 years

Microinverter
Model EVT248

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 EVT248 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. EVT248 seeks to enable best improved solar energy harvest, highest possible reliability, much simplified installation and most efficient management of solar power systems.

Each EVT248 is individually connected to one solar panel 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	EVT248
Input Data (DC)	
Recommended maximum input power (STC)	300W
Maximum input DC voltage	54V
Start voltage	22V
Peak power tracking range	24V~42V
Operating range	18V~54V
Maximum DC short circuit current	15A
Maximum input current	9.5A
Output Data (AC)	
Rated output power	248W
Maximum output current	1.07A
Nominal voltage/range	220V/230V240V
Nominal frequency/range	50Hz/60Hz
Power factor	>0.99
Total Harmonic Distortion	<3%
Maximum units per branch	15
Efficiency	
Peak inverter efficiency	95.6%
EURO weighted efficiency	95%(according to the EN50530)
Nighttime power consumption	100mW
Mechanical Data	
Enclosure environmental rating	IP65
Operating temperature range	-40℃~+65℃
Dimensions (WxHxD)	163mm*163mm*27mm(Without bracket)
	163mm*216mm*27mm(With bracket)
Weight	1.5Kg
Features	
Communication	PLCC (Power Line Carrier Communication)
Compliance	VDE-AR-N-4105, VDE 0126-1-1, G83/2, UTE C15-712-1, AS4777, EN50438 EN62109, EN61000
Warranty	25 Years