

MICROINVERTER

EVT400

Connected to one single panel.



MICROINVERTER

EVT800

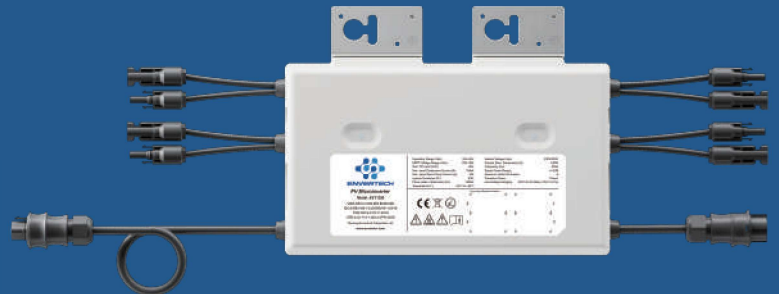
Connected to TWO panels.



MICROINVERTER

EVT2000

Connected to FOUR panels.



UPCOMING PRODUCT



SAFE

Low DC voltage,
and invisible.



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.
Faster installation.



25 YEARS

Long 25 years lifetime.
Up to 15 years warranty.



SMART

Module-level online
smart monitoring.



Monitoring Device EVB 300

Communicates with Envertech microinverters through PLCC/WIFI and enables users to manage the systems in a smart digital way.

DATASHEET

Model	EVT400	EVT800	EVT2000
Input Data (DC)			
Recommended Input Power Range(STC)	250W-500W+	(250W-500W+)*2	(250W-650W+) *4
Max. DC Input (V)	60V	60V	60V
Max. Input Short-circuit Current (A)	15A	15A	15A
Operating Range (V)	16V-60V	16V-60V	16V-60V
Max. Input Continuous Current (A)	13A	13A*2	13A*4
MPPT Voltage Range (V)	22V-48V	22V-48V	24V-50V
Output Data (AC)			
Normal Voltage (Vac)	220V/230V	220V/230V	220V/230V
Current (Max.continuous) (A)	1.81A	3.63A	9.10A
Frequency (Hz)	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Power (Max.continuous) (W)	400W	800W	2000W
Peak Power (W)	400W	800W	2000W
Power Factor Range	+/-0.90	+/-0.90	+/-0.90
Total Harmonic Distortion	<3%	<3%	<3%
Maximum Units Per Branch (12AWG Cable)	14 Units	7 Units	3 Units
Efficiency			
Peak Inverter Efficiency	95.6%		
EURO Weighted Efficiency	95%		
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, UTE C15-712-1:2013, VFR 2019		
Warranty	15 Years		
Others			
Ingress Protection (IP)	IP 67		
Protective Class	Classe 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	1.8kg	3.8kg	5.4kg
Dimensions(W*H*D)	163mm*216mm*27mm	264 mm*194 mm*35.5 mm	316.5mm*189mm*46mm