

MICROINVERTER

EVT360

Connected to one single panel.



MICROINVERTER

EVT720

Connected to TWO panels.



MICROINVERTER

EVT1200

Connected to FOUR panels.



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 EVB300

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



DATASHEET

Model	EVT360	EVT720	EVT1200
Input Data (DC)			
Recommended Input Power Range(STC)	180W - 450W+	(180W - 450W+) *2	(180W-420W+) *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)	12A	12A*2	12A*4
MPPT Voltage Range (V)	22V-48V	22V-48V	22V~48V
Output Data (AC)			
Normal Voltage (Vac)	220V/230V	220V/230V	220V/230V
Current (Max.continuous) (A)	1.63A	3.27A	5.90A
Frequency (Hz)	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Power (Max.continuous) (W)	330W	660W	1200W
Peak Power (W)	360W	720W	1300W
Power Factor Range	+/-0.90	+/-0.90	+/-0.90
Total Harmonic Distortion	<3%	<3%	<3%
Maximum Units Per Branch (12AWG Cable)	16 Units	8 Units	5 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

MONITORING DEVICE

EVB300

Communication gateway for Envertech microinverters.



SMART

Online and local smart monitoring and management of Envertech PV system.



Bi-DIRECTIONAL

MI output power control.
Remotely setting or upgrading monitors and MIs.



FLEXIBILITY

Connected by WIFI or RJ45 cable.
Adapted to both single and 3-phase systems.

Model

EVB300

Features

Communication Method	PLCC (Power Line Carrier Communication)
Monitor mode	Real-time data monitored and remote control on app
Ethernet Connection	TCP/IP
Wireless Communication	WIFI (802.11g/n)
Applicable Voltage	Single Phase / Three-Phase
Storage (Optional)	USB Local Storage
Power Control (Optional)	Automatic Control of Power Output
RS485 Port	Virtual communication port, used for communication and control between RS485 equipment and EVB300.

Capacity

Number of Devices Connected	Up to 40 Units of PV Modules on Each Phase
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AC Supply/ Consumption

AC Supply	108~264VAC, 47.5~62.0Hz
Power Consumption	3W

Mechanical Data

Dimensions (W*H*D)	172mm*100mm*45.5mm
Weight	750 g
Cooling	Natural Convection- No Fans
Ambient Temperature Range	-40 C ~+65 C
Ingress Protection (IP)	IP30

Compliance & Warranty

Compliance	CE
Warranty	3 Years