

MICROINVERTER

EVT300

Connected to one single panel.



MICROINVERTER

EVT560/560-L

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 EVB202

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



www.envertec.com

DATASHEET

Model	EVT300	EVT560	EVT560-L	EVT1200
Input Data (DC)				
Recommended Input Power Range(STC)	180W - 420W+	(180W - 400W+) *2	(180W - 400W+) *2	(180W-420W+) *4
Max. DC Input (V)	54V	54V	54V	54V
Isc PV (Absolute Max.) (A)	15A	15A	15A	15A
Operating Range (V)	18V-54V	18V-54V	18V-54V	18V-54V
Max. Input Current (A)	12A	12A*2	12A*2	12A*4
MPPT Voltage Range (V)	24V-45V	24V-45V	24V-45V	24V-45V
Output Data (AC)				
Normal Voltage (Vac)	220V/230V	220V/230V	110V/120V/127V	220V/230V
Current (Max.continuous) (A)	1.36A	2.55A	5.09A	5.45A/5.22A
Frequency (Hz)	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Power (Max.continuous) (W)	300W	560W	560W	1200 W
Peak Power (W)	330W	600W	600W	1300W
Power Factor/Rated (Default)	>0.99	>0.99	>0.99	>0.99
Total Harmonic Distortion	<3%	<3%	<3%	<3%
Maximum Units Per Branch (12AWG Cable)	20 Units	10 Units	5 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: 2018, 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	Classe 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	2.8kg	2.8kg	5.4kg
Dimensions(W*H*D)	163mm*216mm*27mm	248mm*236mm*27.5mm	248mm*236mm*27.5mm	316.5mm*189mm*46mm