

EVT360

EVT400



Connected to one single panel.



Smart*: Smart monitoring devices are optional at additional cost.



Monitoring Device EVB300

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

DATASHEET

Model	EVT360	EVT400
Input Data (DC)		
Recommended Input Power Range(STC)	180W-500W+	180W-550W+
Max. DC Input (V)	60V	60V
Isc PV (Absolute Max.) (A)	15A	25A
Operating Range (V)	16V-60V	16V-60V
Max. Input Current (A)	12A	14A
MPPT Voltage Range (V)	22V-48V	22V-50V
Output Data (AC)		
Normal Voltage (Vac)	220V/230V	220V/230V
Voltage Range (Vac)	189-260V	189-260V
Current (Max.continuous) (A)	1.64A	1.81A
Frequency (Hz)	50Hz/60Hz	50Hz/60Hz
Frequency Range (Hz)	47.5-52.5Hz / 57.5-62.5Hz	47.5-52.5Hz / 57.5-62.5Hz
Power (Max.continuous) (W)	360W	400W
Power Factor/Rated (default)	+/-0.90	+/-0.90
Total Harmonic Distortion	<3%	<3%
Maximum Units Per Branch (12AWG Cable)	15 Units	13 Units
Efficiency		
Peak Efficiency	96.5%	
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,CEI 0-21 UTE C15-712-1:2013,VFR 2019 (See individual datasheet for specific product certifications)	
Warranty	15 years (20 years optional)	
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	
Dimensions (W*H*D)	163.3mm*163.7mm*27mm	

EVT560

EVT720/800



Connected to two panels.



Smart*: Smart monitoring devices are optional at additional cost.



Monitoring Device EVB300

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

DATASHEET

Model	EVT560	EVT720	EVT800
Input Data (DC)			
Recommended Input Power Range(STC)	(180W - 450W+) *2	(180W - 500W+) *2	(180W-550W+)*2
Max. DC Input (V)	54V	60V	60V
Isc PV (Absolute Max.) (A)	15A	15A	25A
Operating Range (V)	18V-54V	16V-60V	16V-60V
Max. Input Current (A)	12A*2	12A*2	14A*2
MPPT Voltage Range (V)	24V-50V	22V-48V	22V-50V
Output Data (AC)			
Normal Voltage (Vac)	220V/230V	220V/230V	220V/230V
Voltage Range (Vac)	189-260V	189-260V	189-260V
Current (Max.continuous) (A)	2.72A	3.27A	3.63A
Frequency (Hz)	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Frequency Range (Hz)	47.5-52.5Hz / 57.5-62.5Hz	47.5-52.5Hz / 57.5-62.5Hz	47.5-52.5Hz / 57.5-62.5Hz
Power (Max.continuous) (W)	600W	720W	800W
Power Factor/Rated (default)	±0.95	+/-0.90	+/-0.90
Total Harmonic Distortion	<3%	<3%	<3%
Maximum Units Per Branch (12AWG Cable)	8 Units	7 Units	6 Units
Efficiency			
Peak Efficiency	96.8%		
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,CEI 0-21 UTE C15-712-1:2013,VFR 2019 (See individual datasheet for specific product certifications)		
Warranty	15 years (20 years optional)		
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	2.8kg	4.1kg	4.1kg
Dimensions (W*H*D)	248mm*169mm*27.5mm	264 mm*194 mm*35.5 mm	264 mm*194 mm*35.5 mm

Microinverters

EVT400

Connected to one single panel.



EVT2000

Connected to FOUR panels.



EVT600/800

Connected to TWO panels.



SAFE

Low DC voltage.



QUALITY

Components selected from world-class brands.



MONITORING

Built-in WiFi or additional monitoring device* available.



FLEXIBILITY

Adapts to any system size and optimizes space.



PLUG & PLAY

Hand-in-hand design, fewer add-ons, and fast installation.



15 YEARS

Long 25 years lifetime; optional up to 20 years warranty.



MODULE-LEVEL

Module-level optimization & monitoring.

Monitoring device*: Monitoring devices are optional at extra cost.



Monitoring

Enables users to manager the systems in a smart digital ways via PLCC or Built-in Wifi.

DATASHEET

Model	EVT400	EVT600	EVT800	EVT2000
Input Data (DC)				
Recommended Input Power Range(STC)	180W-550W+	(180W-550W+) *2	(180W-550W+) *2	(250W-650W+) *4
Max. DC Input (V)	60V	60V	60V	60V
Isc PV (Absolute Max.) (A)	25A	25A	25A	25A
Operating Range (V)	16V-60V	16V-60V	16V-60V	16V-60V
Max. Input Current (A)	14A	14A*2	14A*2	18A*4
MPPT Voltage Range (V)	22V-50V	22V-50V	22V-50V	22V-50V
Output Data (AC)				
Normal Voltage (Vac)	220V/230V	220V/230V	220V/230V	220V/230V
Voltage Range (Vac)	189-260V	189-260V	189-260V	189-260V
Current (Max.continuous) (A)	1.81A	2.72A	3.63A	9.09A
Frequency (Hz)	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Frequency Range (Hz)	47.5-52.5Hz/57.5-62.5Hz	47.5-52.5Hz/57.5-62.5Hz	47.5-52.5Hz/57.5-62.5Hz	47.5-52.5Hz/57.5-62.5Hz
Power (Max.continuous) (W)	400W	600W	800W	2000W
Power Factor/Rated (default)	+/-0.90	+/-0.90	+/-0.90	+/-0.90
Total Harmonic Distortion	<3%	<3%	<3%	<3%
Maximum Units Per Branch (12AWG Cable)	13 Units	8 Units	6 Units	2 Units
Efficiency				
Peak Efficiency	96.5%	96.8%	96.8%	96.5%
MPPT Efficiency	99.9%			
Nighttime Power Consumption	< 100mW			
Features				
Communication	PLCC (Power Line Carrier Communication) / WiFi			
Compliance	VDE-AR-N 4105, IEC/EN61000, IEC/EN62109-1/2, EN50549-1/2019, TOR 2019, C10/11:2019, CEI 0-21 UTE C15-712-1:2013, VFR 2019 (See individual datasheet for specific product certifications)			
Warranty	15 years (20 years optional)			
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	2.1kg	4.1kg	4.1kg	7.1kg
Dimensions (W*H*D)	163.3mm*163.7mm*35.5mm	264 mm*194 mm*35.5 mm	264 mm*194 mm*35.5 mm	395mm*242.4mm*47mm

EV300

Communication gateway for Envertech microinverters.



EVBS

Communication gateway for Envertech microinverters.



FLEXIBILITY

Adapts to any system size and optimizes space.



SMART

Module-level online smart monitoring.



3 YEARS

Industrial leading warranty for monitoring devices.

Monitoring Device



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

DATASHEET

Model	EVB300
Features	
RS485 Port	Automatic Control of Power Output Virtual communication port, used for communication and control between RS485 equipment and EVB300.
Internet Connection Options	Ethernet/WIFI (802.11g/n)
Storage (Optional)	Standard USB Local Storage
Capacity	
Number of Devices Connected	Up to 60 Units MPPT per phase
AC Supply / Consumption	
AC Supply	108~264VAC, 47.5~62.5Hz
Power Consumption	<2W
Mechanical Data	
Dimensions (W*H*D)	182mm*100mm*43mm
Weight	345 g
Cooling	Natural Convection- No Fans
Ambient Temperature Range	-40 C ~+65 C
Ingress Protection (IP)	IP40
Compliance&Warranty	
Compliance	CE
Warranty	3 Years

Model	EVBS
Features	
Communication Method	PLCC (Power Line Carrier Communication)
Monitor mode	Real-time data monitored and remote control on app
Wireless Communication	WIFI (802.11g/n)
Applicable Voltage	Single Phase
Power Control (Optional)	Automatic Control of Power Output
TTL Port (Optional)	Virtual communication port, used for communication and control between TTL equipment and EVBS.
Capacity	
Number of Devices Connected	Up to 60 Units MPPT
AC Supply / Consumption	
AC Supply	108~264VAC, 47.5~62.5Hz
Power Consumption	<1.5W
Mechanical Data	
Dimensions (W*H*D)	91.5mm*115.37mm*34mm
Weight	195g
Cooling	Natural Convection- No Fans
Ambient Temperature Range	-40 C ~+65 C
Ingress Protection (IP)	IP40
Compliance&Warranty	
Compliance	CE
Warranty	3 Years