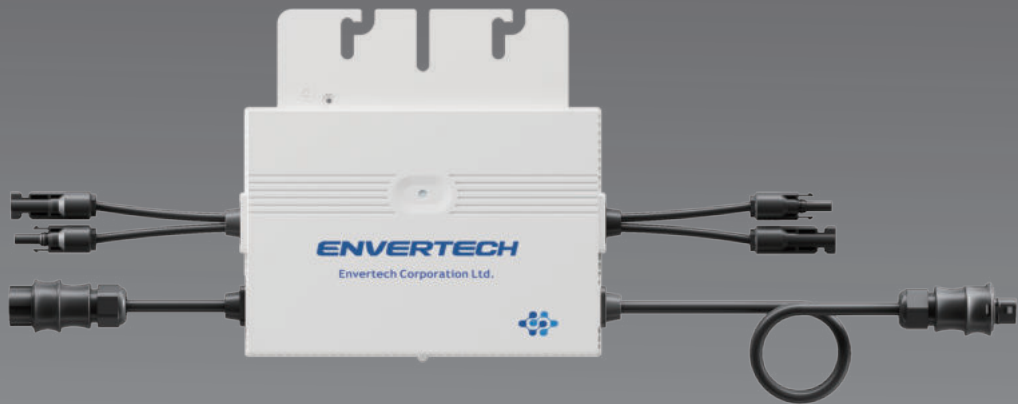


# EVT800SE

Connected to two panels



**SAFE**  
Low DC voltage.

**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, and fast installation.

**15 YEARS**  
Long 25 years lifetime; optional up to 20 years warranty.

**SMART\***  
Module-level online smart monitoring.

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	EVT 800SE
<b>Input DC Data</b>	
Recommend Module Power Range(W)	(250W - 550W+)*2
Maximum input voltage (V)	60V
MPPT voltage range (V)	22V-50V
Min.start voltage (V)	16V
Maximum continuous input current (A)	14A*2
Maximum input short circuit current (A)	25A
Number of MPPT	2
<b>Output AC Data</b>	
Maximum continuous output power(VA)	800VA
Nominal output voltage/range (V)	220/230/ (189~260)
Maximum continuous output current (A)	3.64A
Nominal frequency/range (Hz)	50Hz (47.5~52.5Hz) 60Hz (57.5~62.5Hz)
Power factor(adjustable)	+/-0.9
Total harmonic distortion	<3%
Maximum Units Per Branch	6 Units (12AWG Cable)
<b>Efficiency</b>	
Peak efficiency	95.6%
MPPT efficiency	99.9%
Night power consumption (mW)	< 100mW
<b>Mechanical and Environment Data</b>	
Ambient temperature range(°C)	-40~+65
Relative Humidity	0%-98%
Dimensions (W × H × D mm)	248*236*27.5mm
Weight (kg)	2.8kg
Ingress Protection	IP67
Cooling	Natural convection
<b>Features</b>	
Communication	PLCC
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
Inverter Isolation	High Frequency Isolated
Overvoltage Category	OVC III (AC Main), OVC II (PV)
Protective Class	Class I
Warranty	15 Years (20 years optional)