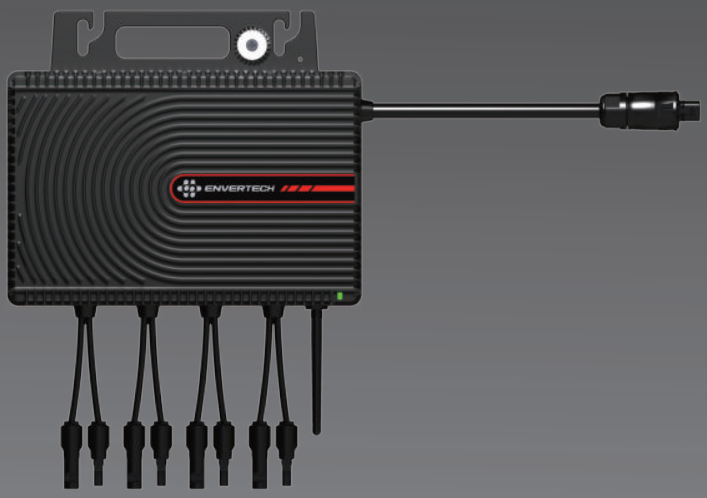
Microinverters

EVT1600SE

EVT1800SE

EVT2000SE



Connected to four 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
Fast installation and better adaptation to small systems.

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.

ENVERTECH
www.envertec.com

DATASHEET

Model	EVT 1600SE	EVT 1800SE	EVT 2000SE
Input DC Data			
Recommend Module Power Range(W)	(250W - 650W+)*4	(250W - 650W+)*4	(250W - 650W+)*4
Maximum input voltage (V)	60V	60V	60V
MPPT voltage range (V)	22V-50V	22V-50V	22V-50V
Minimum start voltage (V)	16V	16V	16V
Maximum continuous input current (A)	20A*4	20A*4	20A*4
Maximum input short circuit current (A)	25A	25A	25A
Number of MPPT	4	4	4
Output AC Data			
Maximum continuous output power(VA)	1600VA	1800VA	2000VA
Nominal output voltage/range (V)	220/230/ (189~260)	220/230/ (189~260)	220/230/ (189~260)
Maximum continuous output current (A)	7.27A	8.18A	9.09A
Nominal frequency/range (Hz)	50Hz (47.5~52.5Hz) 60Hz (57.5~62.5Hz)	50Hz (47.5~52.5Hz) 60Hz (57.5~62.5Hz)	50Hz (47.5~52.5Hz) 60Hz (57.5~62.5Hz)
Power factor(adjustable)	+/-0.9	+/-0.9	+/-0.9
Total harmonic distortion	＜3%	＜3%	＜3%
Maximum Units Per Branch (12AWG Cable)	3 Units	2 Units	2 Units
Maximum Units Per Branch (10AWG Cable)	4 Units	3 Units	3 Units
Efficiency			
Peak efficiency	96.5%	96.3%	96.0%
MPPT efficiency	99.9%	99.9%	99.9%
Night power consumption (mW)	＜100mW	＜100mW	＜100mW
Mechanical and Environment Data			
Ambient temperature range(°C)	-40~+65	-40~+65	-40~+65
Relative Humidity	0%~98%	0%~98%	0%~98%
Dimensions (W × H × D mm)	300*199.5*41mm	300*199.5*41mm	300*199.5*41mm
Weight (kg)	4.92kg	4.92kg	4.92kg
Ingress Protection	IP67	IP67	IP67
Cooling	Natural convection	Natural convection	Natural convection
Features			
Communication	PLCC (Power Line Carrier Communication) / WiFi		
Compliance	LVD 2014/35/EU, EMC 2014/30/EU, RED 2014/53/EU, ROHS, REACH, EN 50549-1/10, IEC 62116&IEC 61727, VDE-AR-N 4105, C10/11, TOR, NC-RfG, NA/EEA-NE7 – CH 2020, NTS		
Inverter Isolation	High Frequency Isolated		
Overvoltage Category	OVC III (AC Main), OVC II (PV)		
Protective Class	Class I		
Warranty	15 Years (20 years optional)		