

# EVT600/ EVT800/ EVT1000

Connected to two panels



-Type R

**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.

# DATASHEET

Model	EVT600	EVT800	EVT1000
<b>Input Data (DC)</b>			
Recommended Input Power Range(STC)	(180W-550W+) *2	(180W-550W+) *2	(250W-650W+)*2
Max. DC Input (V)	60V	60V	60V
Isc PV (Absolute Max.) (A)	25A	25A	25A
Operating Range (V)	16V-60V	16V-60V	16V-60V
Max. Input Current (A)	14A*2	14A*2	18A*2
MPPT Voltage Range (V)	22V-50V	22V-50V	22V-50V
<b>Output Data (AC)</b>			
Normal Voltage (Vac)	220V/230V	220V/230V	220V/230V
Voltage Range (Vac)	189-260V	189-260V	189-260V
Current (Max.continuous) (A)	2.72A	3.63A	4.55A
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	800W	1000W
Power Factor/Rated (default)	+/-0.90	+/-0.90	+/-0.90
Total Harmonic Distortion	<3%	<3%	<3%
Maximum Units Per Branch (12AWG Cable)	8 Units	6 Units	5 Units
<b>Efficiency</b>			
Peak Efficiency	96.8%		
MPPT Efficiency	99.9%		
Nighttime Power Consumption	< 100mW		
<b>Features</b>			
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)		
<b>Others</b>			
Ingress Protection (IP)	IP 67		
Protective Class	Class 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	4.1kg		
Dimensions (W*H*D)	264mm*194mm*35.5mm		