

# EVT800

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**  
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

EVT800

### Input Data (DC)

Recommended Input Power Range(STC)	(180W-550W+) *2
Max. DC Input (V)	60V
Isc PV (Absolute Max.) (A)	25A
Operating Range (V)	16V-60V
Max. Input Current (A)	14A*2
MPPT Voltage Range (V)	22V-50V

### Output Data (AC)

Normal Voltage (Vac)	220V/230V
Voltage Range (Vac)	189-260V
Current (Max.continuous) (A)	3.63A
Frequency (Hz)	50Hz/60Hz
Frequency Range (Hz)	47.5-52.5Hz/57.5-62.5Hz
Power (Max.continuous) (W)	800W
Power Factor/Rated (default)	+/-0.90
Total Harmonic Distortion	<3%
Maximum Units Per Branch (12AWG Cable)	6 Units

### Efficiency

Peak Efficiency	96.8%
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
Warranty	15 years (20 years optional)

### Others

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)	264 mm*194 mm*35.5 mm