

EVT600

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

EVT600

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) | 2.72A |
| Frequency (Hz) | 50Hz/60Hz |
| Frequency Range (Hz) | 47.5-52.5Hz/57.5-62.5Hz |
| Power (Max.continuous) (W) | 600W |
| Power Factor/Rated (default) | +/-0.90 |
| Total Harmonic Distortion | < 3% |
| Maximum Units Per Branch (12AWG Cable) | 8 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 |