

EVT500

Connected to one single panel.



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 | EVT500 |
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| Input Data (DC) | |
| Recommended Input Power Range(STC) | 250W-650W+ |
| Max. DC Input (V) | 60V |
| Isc PV (Absolute Max.) (A) | 25A |
| Operating Range (V) | 16V-60V |
| Max. Input Current (A) | 18A |
| MPPT Voltage Range (V) | 22V-50V |
| Output Data (AC) | |
| Normal Voltage (Vac) | 220V/230V |
| Voltage Range (Vac) | 189-260V |
| Current (Max.continuous) (A) | 2.27A |
| Frequency (Hz) | 50Hz/60Hz |
| Frequency Range (Hz) | 47.5-52.5Hz / 57.5-62.5Hz |
| Power (Max.continuous) (W) | 500W |
| Power Factor/Rated (default) | +/-0.90 |
| Total Harmonic Distortion | <3% |
| Maximum Units Per Branch (12AWG Cable) | 10 Units |
| Efficiency | |
| Peak Efficiency | 96.5% |
| 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 | 2.1kg |
| Dimensions (W*H*D) | 163.3mm*163.7mm*35.5mm |