

SINGLE PHASE



Zero export &
DG sync compatible



Ongrid
Inverter



Global Service
Centre



72 Hours
Replacements

- IP65 ingress protection
- Built - in Zero Export function
- Light weight, quick and easy to install
- Max. efficiency up to 97.7%
- Smart monitoring, RS485, Wifi/Ethernet/GPRS[optional]

**5 / 10* YEARS
WARRANTY**

**MANUFACTURING UNIT :
INDIA, CHINA**

sales request or connect with
a sales associate contact :
+91 94943 55000
sales@evvosolar.com

*at extra cost, conditions apply

EVVO 1100/1600/2200/2700/3000/3200 TL-AV

Single-Phase Single-MPPT

| Datasheet | EVVO 1100TL-AV | EVVO 1600TL-AV | EVVO 2200TL-AV | EVVO 2700TL-AV | EVVO 3000TL-AV | EVVO 3200TL-AV |
|-------------------------------------------------|-------------------|-------------------|-------------------|------------------------------------------------------------------------------------------|-------------------|-------------------|
| Input (DC) | | | | | | |
| Recommended PV input power | 1500W | 2200W | 3000W | 3700W | 4100W | 4500W |
| Max. Input voltage | 500V | 500V | 500V | 550V | 550V | 550V |
| Aux. Open voltage | | | | 60V | | |
| Start-up input voltage | | | | 70V | | |
| Rated input voltage | | | | 360V | | |
| MPPT voltage range | 50-500V | 50-500V | 50-500V | 50-550V | 50-550V | 50-550V |
| Full load DC voltage range | 110-450V | 150-450V | 200-450V | 250-500V | 275-500V | 300-500V |
| Max. Input current MPPT | | | | 12A | | |
| Maximun DC input short circuit current per MPPT | | | | 15A | | |
| Number of MPPT/ String per MPPT | | | | 1/1 | | |
| Input terminal type | | | | MC4/H4 | | |
| Output (AC) | | | | | | |
| Rated power | 1100W | 1600W | 2200W | 2700W | 3000W | 3300W |
| Max. AC power | 1100VA | 1600VA | 2200VA | 2700VA | 3000VA | 3300VA |
| Rated Output current | 4.8A | 7A | 9.6A | 11.8A | 13A | 14.3A |
| Max. Output current | 5.3A | 7.7A | 10.6A | 13A | 14.5A | 16A |
| Nominal grid voltage | | | | L/N/PE, 220Vac, 230Vac, 240Vac | | |
| Grid voltage range | | | | 180Vac-276Vac (According to local standard) | | |
| Nominal frequency | | | | 50Hz/60Hz | | |
| Grid frequency range | | | | 45-55Hz/54-66Hz (According to local standard) | | |
| THDi | | | | <3% | | |
| Power factor | | | | 1default [adjustable+/-0.8] | | |
| Efficiency | | | | | | |
| Max. Efficiency | 97.5% | 97.5% | 97.5% | 97.7% | 97.7% | 97.7% |
| European weighted efficiency | 96.9% | 96.9% | 96.9% | 97.2% | 97.2% | 97.2% |
| MPPT adaptation efficiency | | | | > 99.9% | | |
| Protection | | | | | | |
| Anti-Islanding protection | | | | Yes | | |
| DC reverse polarity protection | | | | Yes | | |
| Over temp protection | | | | Yes | | |
| Leakage current protection | | | | Yes | | |
| Over voltage protection | | | | Yes | | |
| Over current protection | | | | Yes | | |
| Earth fault protection | | | | Yes | | |
| SPD | | | | MOV: Type III standard | | |
| Communication | | | | | | |
| Standard communication mode | | | | R5485, WiFi/GPRS/Ethernet(optional), USB | | |
| Operation data storage | | | | 25 Years | | |
| General Data | | | | | | |
| Topology | | | | Transformerless | | |
| Ambient temperature range | | | | -30°C~+60°C | | |
| Allowable relative humidity range | | | | 0-100% | | |
| Noise | | | | <25dB | | |
| DC switch | | | | optional | | |
| Cooling | | | | Natural convection | | |
| Max. Operating altitude | | | | 2000m | | |
| Dimension | | 303*260.5*118mm | | | 321*260.5*131.5mm | |
| Support bracket | | | | Wall-mounted | | |
| Weight | | 5.5kg | | | 6.3kg | |
| Display | | | | LCD+LED | | |
| Degree of protection | | | | IP65 | | |
| Warranty | | | | 5 / 10 years | | |
| Standard | | | | | | |
| EMC | | | | EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, | | |
| Safety standards | | | | IEC 62116, IEC 61727, IEC 61683, IEC 60068(1,2,14,30), IEC 62109-1/2 | | |
| Grid standards | | | | AS 4777, VDE V 0124-100, VDE V 0126-1-1, VDE-AR-N 4105, EN 50438, G83/2, C10/II, RD 1699 | | |