

MIN 7000~10000 TL-X

- Maximum efficiency 98.1%
- 2/3 MPP trackers
- Type II SPD on DC side
- Supports export control
- Touch key and OLED display



P O W E R
- I N G
T O M O R R O W

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| Datasheet | MIN 7000TL-X(E) | MIN 8000TL-X(E) | MIN 9000TL-X | MIN 10000TL-X |
|-----------|-----------------|-----------------|--------------|---------------|
|-----------|-----------------|-----------------|--------------|---------------|

Input data (DC)

| | | | | |
|--|-------------|--------|-------------------|---------|
| Max. recommended PV power (for module STC) | 12000W | 12000W | 13500W | 15000W |
| Max. DC voltage | | | | 600V |
| Start voltage | | | | 100V |
| Nominal voltage | | | | 360V |
| MPP voltage range | | | | 60-550V |
| No. of MPP trackers | 2 | | 3 | |
| No. of PV strings per MPP tracker | 1/2 | | 1/1/2 | |
| Max. input current per MPP tracker | 13.5A/27A | | 13.5A/13.5A/27A | |
| Max. short-circuit current per MPP tracker | 16.9A/33.8A | | 16.9A/16.9A/33.8A | |

Output data (AC)

| | | | | |
|----------------------------|--|--------|--------|---------|
| AC nominal power | 7000W | 8000W | 9000W | 10000W |
| Max. AC apparent power | 7000VA | 8000VA | 9000VA | 10000VA |
| Nominal AC voltage(range*) | Default:240V split-phase, optional:208V & 240V single phase , 183-228@208V 211-264V@240V | | | |
| AC grid frequency(range*) | 50/60 Hz (45-55Hz/59.5-60.5Hz) | | | |
| Max. output current | 33.5A | 38.3A | 43A | 45.5A |
| Adjustable power factor | 0.8leading...0.8lagging | | | |
| THDI | <3% | | | |
| AC grid connection type | Single phase | | | |

Efficiency

| | | | | |
|---------------------|-------|--|-------|--|
| Max. efficiency | | | 98.1% | |
| European efficiency | 97.3% | | 97.6% | |
| MPPT efficiency | | | 99.5% | |

Protection devices

| | | | | |
|----------------------------------|--------------------|--|--|--|
| DC reverse polarity protection | Yes | | | |
| DC switch | Yes | | | |
| DC/AC surge protection | Type II / Type III | | | |
| Insulation resistance monitoring | Yes | | | |
| AC short-circuit protection | Yes | | | |
| Ground fault monitoring | Yes | | | |
| Grid monitoring | Yes | | | |
| Anti-islanding protection | Yes | | | |
| Residual-current monitoring unit | Yes | | | |
| AFCI protection | Yes | | | |

General data

| | | | | |
|---|--|--|--|--|
| Dimensions (W / H / D) | 425/387/180mm | | | |
| Weight | 18.2kg | | | |
| Operating temperature range | - 25 °C ... +60 °C | | | |
| Nighttime power consumption | < 1W | | | |
| Topology | Transformerless | | | |
| Cooling | Natural convection | | | |
| Protection degree | IP66 | | | |
| Relative humidity | 0-100% | | | |
| Altitude | 4000m | | | |
| DC connection | H4/MC4(Optional) | | | |
| AC connection | Cable gland +OT terminal | | | |
| Display | OLED+LED/WIFI+APP | | | |
| Interfaces: RS485 / USB/Wi-Fi/ GPRS/ RF/LAN | Yes/Yes/Optional/Optional/Optional /Optional | | | |
| Warranty: 5 years / 10 years | Yes/Optional | | | |

CE, IEC 62116, IEC 61727, IEC62109, INMETRO, AS4777, UL1741, IEE1547

* The AC voltage and frequency range may vary depending on specific country grid standard.
All specifications are subject to change without notice.