

SUNTREE SERIES

ON GRID 3 PHASE STRING INVERTER



KEY SALIENT FEATURES

- > Support double glass PV module
- > IP65 protection degree, natural cooling
- > Wide input voltage 250~1100VDC
- > Multiple MPPT design, Maximum efficiency of 98.1 to 99.9%
- > Big LCD screen, multi-function buttons, easy operation and maintenance
- > Diverse communication connection RS232, RS485, Wi-Fi and GPRS
- > String level monitoring, efficient and quick fault diagnosis

Wi-Fi Plug Included



Anti-Reverse Power Controller - Optional



Terms & Condition Apply

CERTIFICATIONS

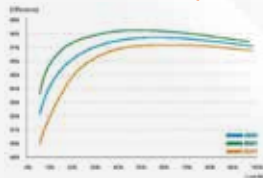


ZIEWNIC
Powered by GROWATT PK

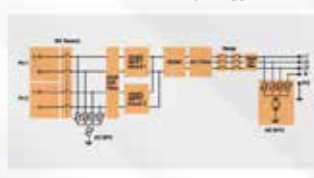
| MODELS | 10K TL+ | 20K TL+ | 30K TL+ | 50K TL |
|-----------------------------|--|-----------------|-----------------|--------------------|
| INPUT (DC SIDE) | | | | |
| Max. DC Input power (W) | 12000 | 24000 | 36000 | 60000 |
| Max. DC voltage (VDC) | 1000 | 1000 | 1000 | 1100 |
| Start voltage (VDC) | 200 | 200 | 200 | 200 |
| MPPT voltage range (VDC) | 200~960 | 200~960 | 200~960 | 200~1000 |
| Numbers of inputs | 2 | 4 | 6 | 10 |
| Numbers of MPPT | 2 | 2 | 3 | 4 |
| Max. Input current (A) | 2*13 | 2*25 | 3*25 | 18/28/19/28 |
| OUTPUT (AC SIDE) | | | | |
| Rated output power (W) | 10000 | 20000 | 30000 | 50000 |
| Max. output power (VA) | 12000 | 24000 | 36000 | 60000 |
| Rated output current (A) | 14.4 | 28.9 | 43.3 | 72.2 |
| Max. output current (A) | 15.8 | 31.8 | 47.6 | 79.4 |
| Rated output voltage (VAC) | 400 | 400 | 400 | 400 |
| Output voltage range (VAC)* | 323-480 | 323-480 | 323-480 | 323-480 |
| Grid frequency range (HZ)* | 50/60±5 | 50/60±5 | 50/60±5 | 50/60±5 |
| Power factor (cos) | 0.8 (Leading) | 0.8 (Leading) | 0.8 (Leading) | 0.8 (Leading) |
| | 0.8 (Lagging) | 0.8 (Lagging) | 0.8 (Lagging) | 0.8 (Lagging) |
| THDI | <3% | <3% | <3% | <3% |
| EFFICIENCY | | | | |
| Max. efficiency | 98.1% | 98.2% | 98.2% | 98.5% |
| Euro. efficiency | 97.5% | 97.6% | 97.6% | 98.1% |
| MPPT efficiency | 99.8% | 99.8% | 99.9% | 99.9% |
| PROTECTION | | | | |
| Built-in protections | Dc Reverse Polarity, Short Circuit, Output Over Current, Output Over Voltage, Insulation Resistance Monitoring | | | |
| | Residual Current Detection, Surge Protection, Anti-island Protection, Over Temperature Protection | | | |
| Lighting protection | DC Type /AC Type | | | |
| GENERAL DATE | | | | |
| Operating temperature (°C) | -25~+60 | -25~+60 | -25~+60 | -25~+60 |
| Noise [dB (A)] | ≤30 | ≤30 | ≤30 | ≤60 |
| Night power consumption (W) | <2 | <2 | <2 | <2 |
| Electrical isolation | Transformerless | Transformerless | Transformerless | Transformerless |
| Cooling concept | Natural Cooling | Natural Cooling | Natural Cooling | Forced Air Cooling |
| Degree of Protection | IP65 | IP65 | IP65 | IP65 |
| Communication:RS232/ | Yes/Opt | Yes/Opt | Yes/Opt | Yes/Opt |
| RS485/Wi-Fi/GPRS | Opt/Opt | Opt/Opt | Opt/Opt | Opt/Opt/Opt |
| Dimensions (W*D*H mm) | 355*190*450 | 410*210*528 | 476*258*830 | 545*270*782 |
| Weight (kg) | 18 | 28 | 42 | 58 |

*AC grid voltage range and frequency depends on local standards.

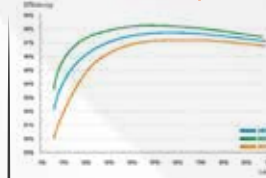
10000TL+ Efficiency Curve



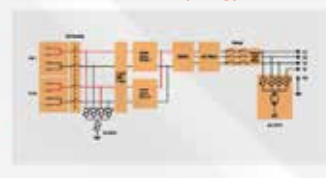
10000TL+ Topology



20000TL+ Efficiency Curve



20000TL+ Topology



30000TL+ Efficiency Curve

30000TL+ Topology

50000TL Efficiency Curve

50000TL Topology

