

TSUN Balcony Microinverter

TSOL-MS600 Balcony / TSOL-MS700 Balcony / TSOL-MS800 Balcony
TSOL-MX800 Balcony / TSOL-MX900 Balcony / TSOL-MX1000 Balcony



Maximized Efficiency

Individual optimization, se-parate dedicated MPPT for each panel.

New topology design, max. efficiency up to 96.7%.

Flexibility

Suitable for TSOL-ESK series AC module solution.

Plug & play installation, Easy to install.

Safety

Max. DC voltage 60V. No threat for high DC voltage.

Integrated LoM protection function. Ensure the safety of power grid.

Reliability

Die casting design and glue filling technology. Better thermal dissipation.

Standard 12 years warranty, Quality guaranteed.

CE VDE 4105 EN 50549

TSUNESS Co., Ltd

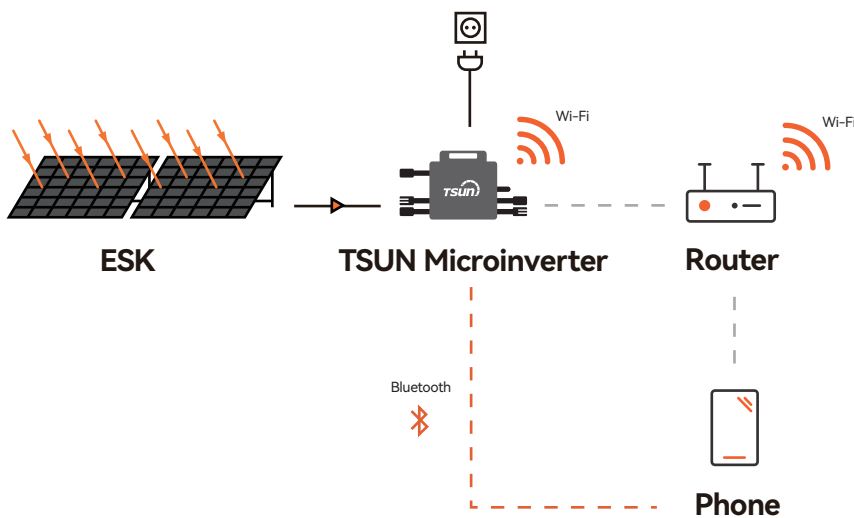
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Technical Data

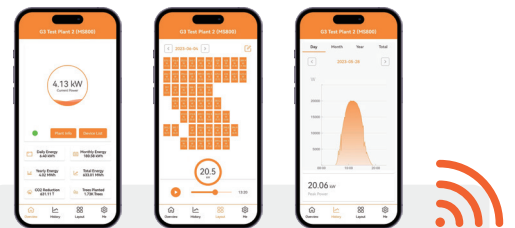
| Model | TSOL-MS600 Balcony | TSOL-MS700 Balcony | TSOL-MS800 Balcony | TSOL-MX800 Balcony | TSOL-MX900 Balcony | TSOL-MX1000 Balcony |
|--|---|-----------------------|-----------------------|--------------------------------------|-----------------------|------------------------|
| Input[DC] | | | | | | |
| Recommended Module Power [W] | 300-550+ | 300-550+ | 300-550+ | 300-600+ | 300-600+ | 300-600+ |
| Start up Voltage [V] | | | | 22 | | |
| MPPT Voltage Range [V] | | | | 16-60 | | |
| Max. Input Voltage [V] | | | | 60 | | |
| Max. Input Current [A] | | | | 2*14 | | |
| Max. Input Short-circuit Current[A] | | | | 2*20 | | |
| Output[AC] | | | | | | |
| Max. Continuous Output Power [VA] ¹⁾ | 600 | 700 | 800 | 800 | 900 | 1000 |
| Max. Output Current [A] | 3 | 3.19 | 4 | 4 | 4.5 | 5 |
| Nominal Output Voltage [V] ²⁾ | | | | 230, L/N/PE | | |
| Nominal Frequency [Hz] ²⁾ | | | | 50 | | |
| Power Factor | | | | >0.99 default | | |
| Efficiency | | | | | | |
| Peak Inverter Efficiency | | | | 96.7% | | |
| Nominal MPPT Efficiency | | | | 99.9% | | |
| Night Time Power Consumption [mW] | | | | < 50 | | |
| General Data | | | | | | |
| Dimensions [WxHxD mm] | | | | 250*170*28 | | |
| Weight [kg] | | | | 2.5 | | |
| Operating Ambient Temperature Range [°C] ³⁾ | | | | -40°C to 65°C | | |
| Cooling | | | | Natural Convection | | |
| Type of isolation | | | | Galvanically Isolated HF Transformer | | |
| Type of Enclosure | | | | IP67 | | |
| DC Connector Type | | | | QC4(Stäubli MC4 Optional) | | |
| Compliance | CE-RED, EN 50549-1: 2019, VDE-AR-N 4105: 2018, CEI 0-21: 2022, TOR, Synergrid | | | | | |
| Power Cord(Optional) | | | | | | |
| Wire Size | | | | 1.5mm ² | | |
| Cable Length ⁴⁾ | | | | 5m/ 10m/ 20m | | |
| Plug Type ⁴⁾ | | | | Schuko | | |
| Monitoring | | | | | | |
| Communication | Built-in WiFi module | | | | | |
| Energy Management | Talent Home App/ TSUN Smart App | | | | | |

- 1) The output power of microinverter can be limited to 300W/ 600W according to the local regulations.
- 2) The AC voltage and frequency range may vary depending on specific country grid.
- 3) The microinverter may derate under poor ventilation and heat dissipation installation environment.
- 4) The length and plug type can be customized.

Diagram



Monitoring Platform



TSUN Smart is an **Energy Monitoring Mobile Application Software**. Users can use TSUN Smart to monitor the real-time operation of the entire pv power generation system.

Monitor Generation Data of Solar Plant

One-button to Connect Network

Power Generation Statistics

Module-level Monitoring System

Fast Network Configuration