

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

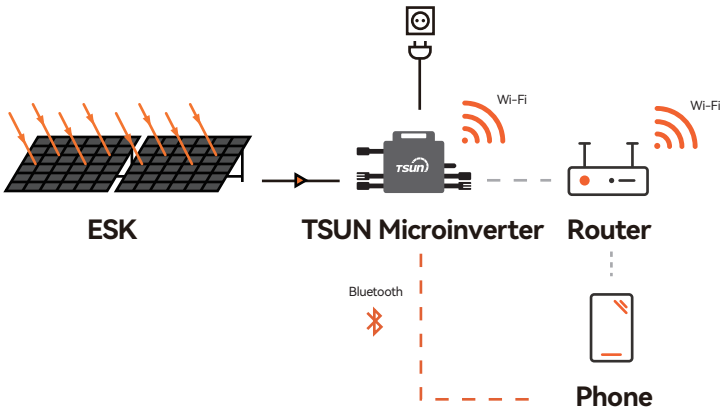
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Technical Data

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	1.5mm²					
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.

End-user Standard Accessories

