

# TSUN Balcony Microinverter

TSOL-MS600 Balcony \ TSOL-MS700 Balcony  
TSOL-MS800 Balcony



## Maximized Efficiency

Individual optimization, separate dedicated MPPT for each panel.

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

## Flexibility

Suitable for TSUN solutions.

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

TSUNESS Co., Ltd

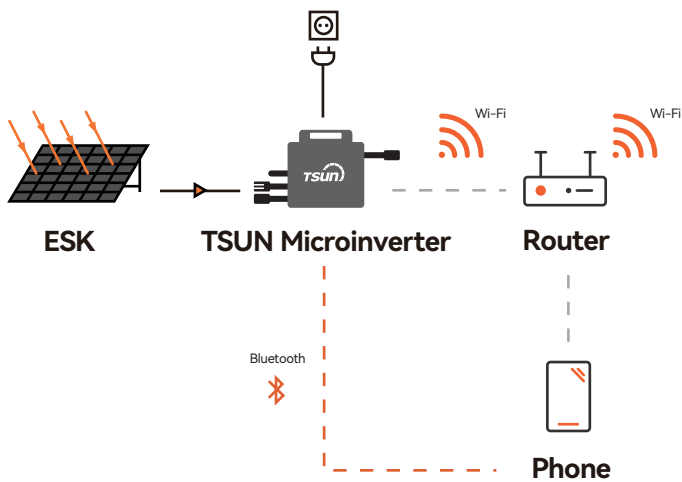
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# Technical Data

Model	TSOL-MS600 Balcony	TSOL-MS700 Balcony	TSOL-MS800 Balcony
<b>Input(DC)</b>			
Recommended Module Power (Wp)	300 - 550	300 - 550	300 - 550
Start up Voltage per Input@Rated condition (V)	22	22	22
MPPT Voltage Range per Input (V)	16 - 60	16 - 60	16 - 60
Max. Input Voltage per Input (V)	60	60	60
Max. Input Current per Input (A)	2 × 14	2 × 14	2 × 14
<b>Output [AC]</b>			
Max. Continuous Output Power (VA)	600	700	800
Max. Output Current (A)	3	3.19	4
Nominal Output Voltage (V)	220/230/240, L/N/PE		
Nominal Frequency (Hz)	50/60		
Power Factor	>0.99 default 0.8 leading ... 0.8 lagging		
<b>Efficiency</b>			
Peak Inverter Efficiency	97.0%		
EU Weighted Efficiency	96.7%		
CEC Weighted Efficiency	96.7%		
Nominal Mppt Efficiency	99.9%		
<b>General Data</b>			
Night Time Power Consumption	<50 mW		
Communication	WiFi module		
Type of Enclosure	IP67		
Cooling	Natural convection		
Type of isolation	Galvanically Isolated HF Transformer		
Operating Ambient Temperature Range	-40 ~ +65 °C (derating of over 50°C Ambient Temperature@ PV input 30V)		
Compliance	VDE-AR-N 4105: 2018, VFR2018, IEC/EN 62109-1/-2		
<b>Mechanical Data</b>			
Dimensions (W×H×D mm)	250 x 223 x 30		
Weight [kg]	2.6		
Pallet	120		

- 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



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

Monitor Generation Data of Solar Plant

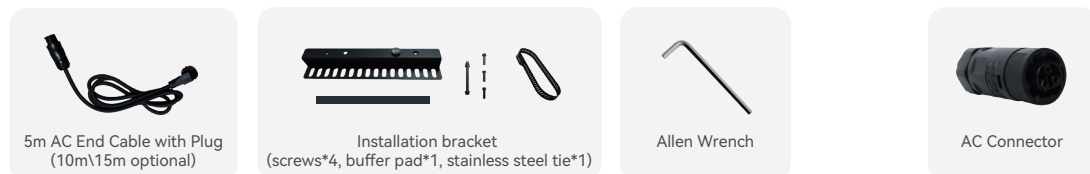
**One-button to Connect Network**

Power Generation Statistics

**Module-level Monitoring System**

Fast Network Configuration

## End-user Standard Accessories



**Distributor and Installer Standard Accessories**

For more information, please contact us at [www.tsun-ess.com](http://www.tsun-ess.com)

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