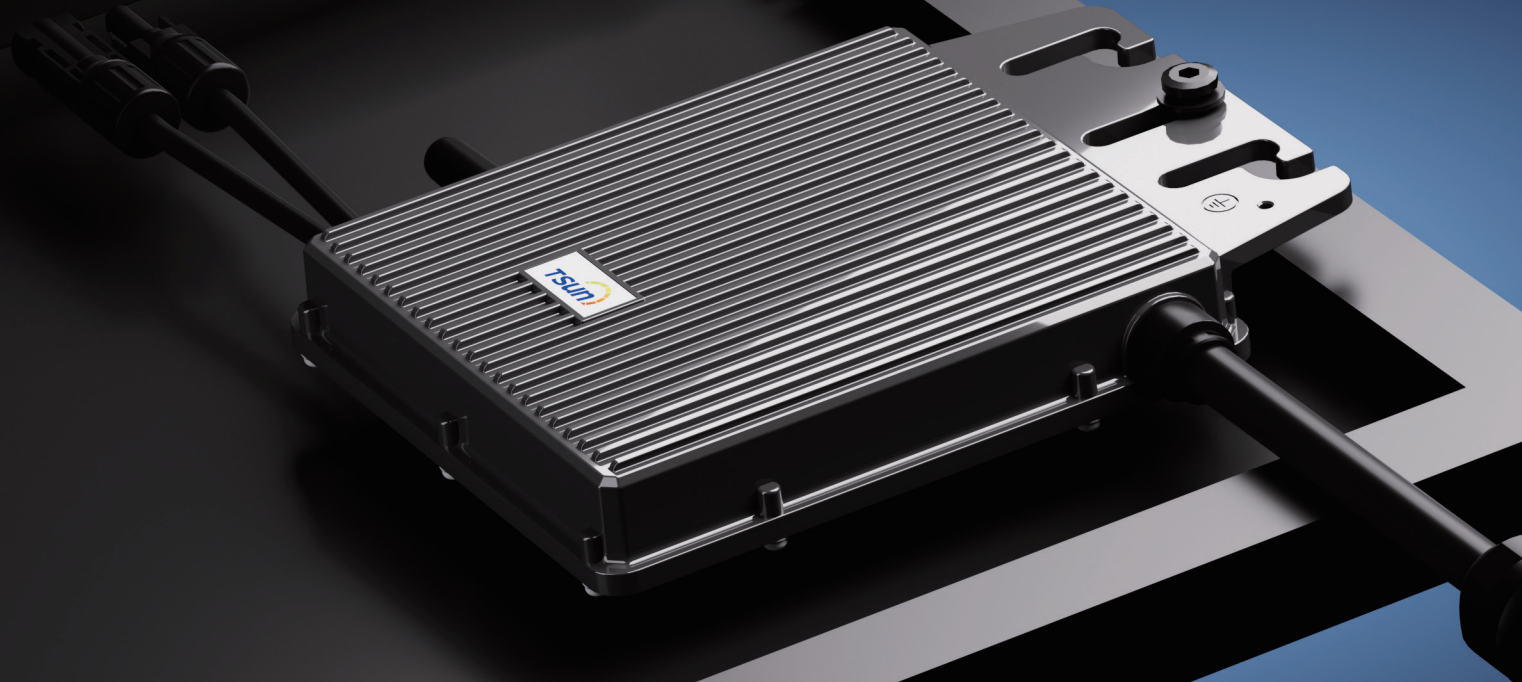


TSUN Balcony Microinverter

TSOL-MX400 Balcony \ TSOL-MX450 Balcony
TSOL-MX500 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

TSUNESS Co., Ltd

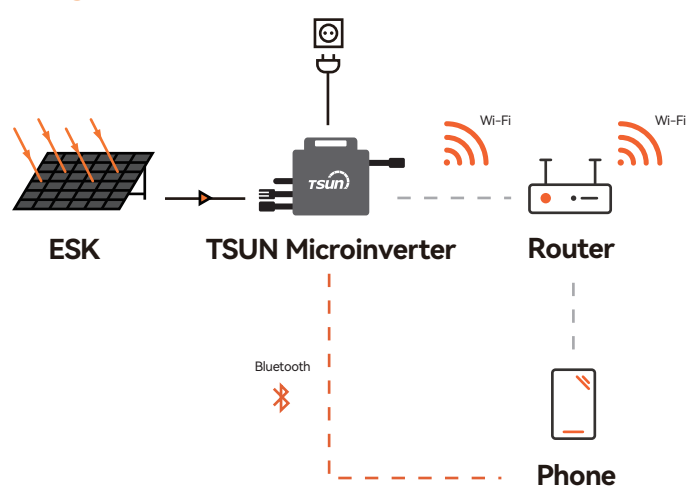
sales@tsun-ess.com www.tsun-ess.com +86-512-66186028

Technical Data

Model	TSOL-MX400 Balcony	TSOL-MX450 Balcony	TSOL-MX500 Balcony
Input(DC)			
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)	1 × 14	1 × 14	1 × 14
Output [AC]			
Max. Continous Output Power (VA)	400	450	500
Max. Output Current (A)	1.74	1.96	2.17
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		
Efficiency			
Peak Inverter Efficiency	97.0%		
EU Weighted Efficiency	96.7%		
CEC Weighted Efficiency	96.7%		
Nominal Mppt Efficiency	99.9%		
General Data			
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		
Mechanical Data			
Dimensions (W×H×D mm)	164 x 225 x 30		
Weight [kg]	1.75		
Pallet	150		

- 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