



# TSUN

## GEN3 Microinverter

TSOL-MX800 TSOL-MX900 TSOL-MX1000



### 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 0126 VDE 4105 EN 50549 INMETRO RD 1699 G 98

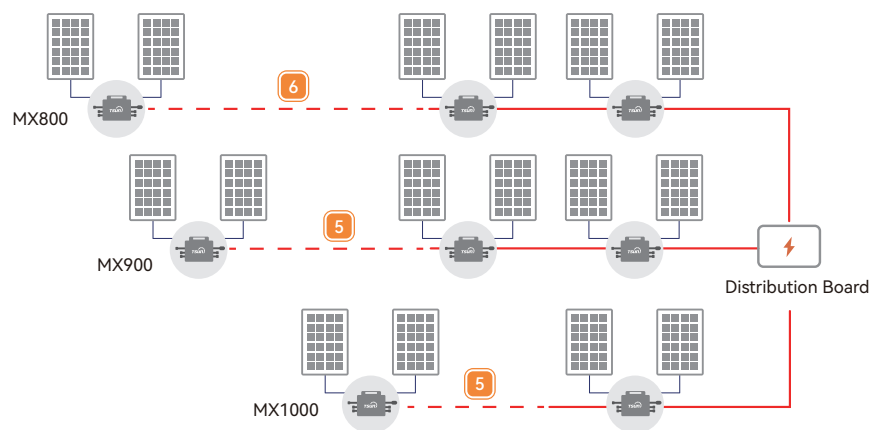
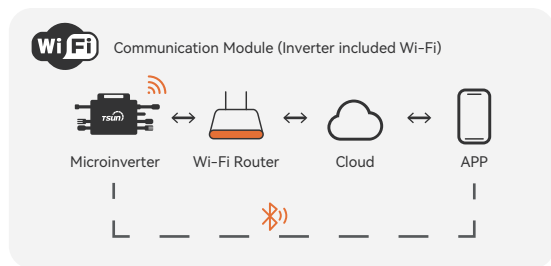
**TSUNESS Co., Ltd**

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

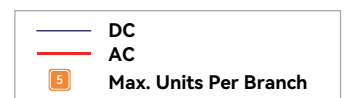
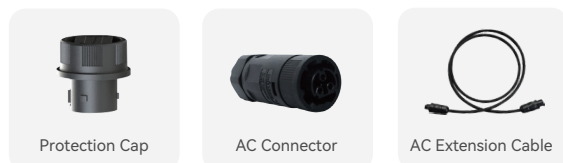
# Technical Data

Model	TSOL-MX800	TSOL-MX900	TSOL-MX1000
<b>Input(DC)</b>			
Recommended Module Power [W]	300-550	300-550	300-550
Start up Voltage [V]	22	22	22
MPPT Voltage Range [V]	16-60	16-60	16-60
Max. Input Voltage [V]	60	60	60
Max. Input Current per Input [A]	2x14	2x14	2x14
Max. Input Short-circuit Current [A]	20	20	20
Quantity of MPPTs	2	2	2
<b>Output [AC]</b>			
Max. Continuous Output Power [VA]	800	900	1000
Nominal Continuous Output Power [W]	800	900	1000
Nominal Output Current [A]	3.48	3.91	4.35
Max. Output Current [A]	4.00	4.50	5.00
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		
Output Current Harmonic Distortion	<3%		
Max. Units Per Branch	6	5	5
<b>Efficiency</b>			
Peak Inverter Efficiency	97.0%		
CEC Weighted Efficiency	96.7%		
Nominal MPPT Efficiency	99.9%		
EU Efficiency	96.7%		
Night Time Power Consumption [mW]	< 50		
<b>Mechanical Data</b>			
Dimensions [WxHxD mm]	250*223*30		
Weight [kg]	3.1		
Pallet	120		
Type of Enclosure	IP67		
Cooling	Natural Convection		
<b>Environmental Data</b>			
Operating Ambient Temperature Range	-40 ~ +65 °C (derating of over 50°C Ambient Temperature@ PV input 30V)		
Communication	WiFi module		
Relative Humidity	100%		
Max. Operating Altitude Without Derating [M]	2000		
Compliance	EN 50549-1: 2019, VDE-AR-N 4105: 2018, VFR2018, IEC/EN 62109-1/-2, CEI 0-21: 2022 / IEC/EN 61000-6-1/-2/-3/-4, IEC/EN 61000-3-2/-3		

## Diagram



## Optional Accessories



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

©2024 TSUNESS. All rights reserved. All specifications are subject to change without prior notice.

updated on 11th Apr, 2024