

# TSUN GEN3 Plus Microinverter

TSOL-MS2000(1500) TSOL-MS1600 TSOL-MS1800 TSOL-MS2000



## Maximized Efficiency

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

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

## Flexibility

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 INMETRO

**TSUNESS Co., Ltd**

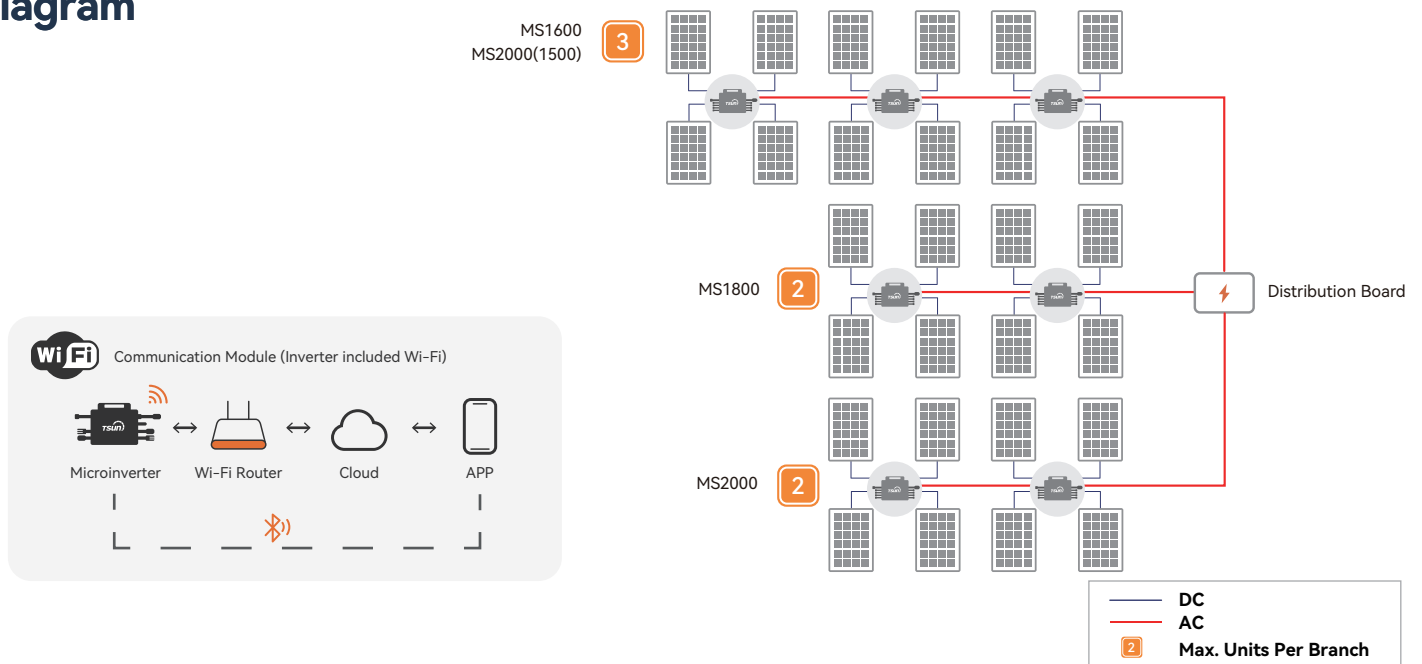
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# Technical Data

Model	TSOL-MS2000(1500)	TSOL-MS1600	TSOL-MS1800	TSOL-MS2000
<b>Input [DC]</b>				
Recommended Module Power [W]	300-700+	300-700+	300-700+	300-700+
Start up Voltage [V]	22	22	22	22
MPPT Voltage Range [V]	16-60	16-60	16-60	16-60
Nominal DC voltage [V]	42	42	42	60
Max. Input Voltage [V]	60	60	60	16
Max. Input Current [A]	4*16	4*16	4*16	4*16
Max. Input Short-circuit Current [A]	25	25	25	25
Quantity of MPPT	4	4	4	4
Number of Inputs per MPPT	1	1	1	1
<b>Output [AC]</b>				
Nominal Continuous Output Power [W]	1500	1600	1800	2000
Nominal Output Current [A]	6.52	7	7.8	8.7
Max. Output Current [A]	7.5	8	9	10
Nominal Output Voltage/Range [V]	220/230/240, L/N/PE			
Nominal Frequency [Hz]	50/60			
Power Factor	>0.99 default, 0.8 leading...0.8 lagging			
Max. Units Per Branch(12AWG)	3	3	2	2
MPPT efficiency	99.8%			
CEC Weighted Efficiency	96.7%	96.7%	96.5%	96.5%
<b>Mechanical Data</b>				
Dimensions [WxHxDmm]	331*261*44			
Weight [kg]	5.5			
<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°C~65°C (derating of over 50°C Ambient Temperature@ PV input 30V)			
Relative Humidity	100%			
Max. Operating Altitude Without Derating [m]	2000			
Over voltage category	III(Mains), II(PV)			
Compliance				

※ The AC voltage and frequency range may vary depending on specific country grid.

## Diagram



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

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