

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

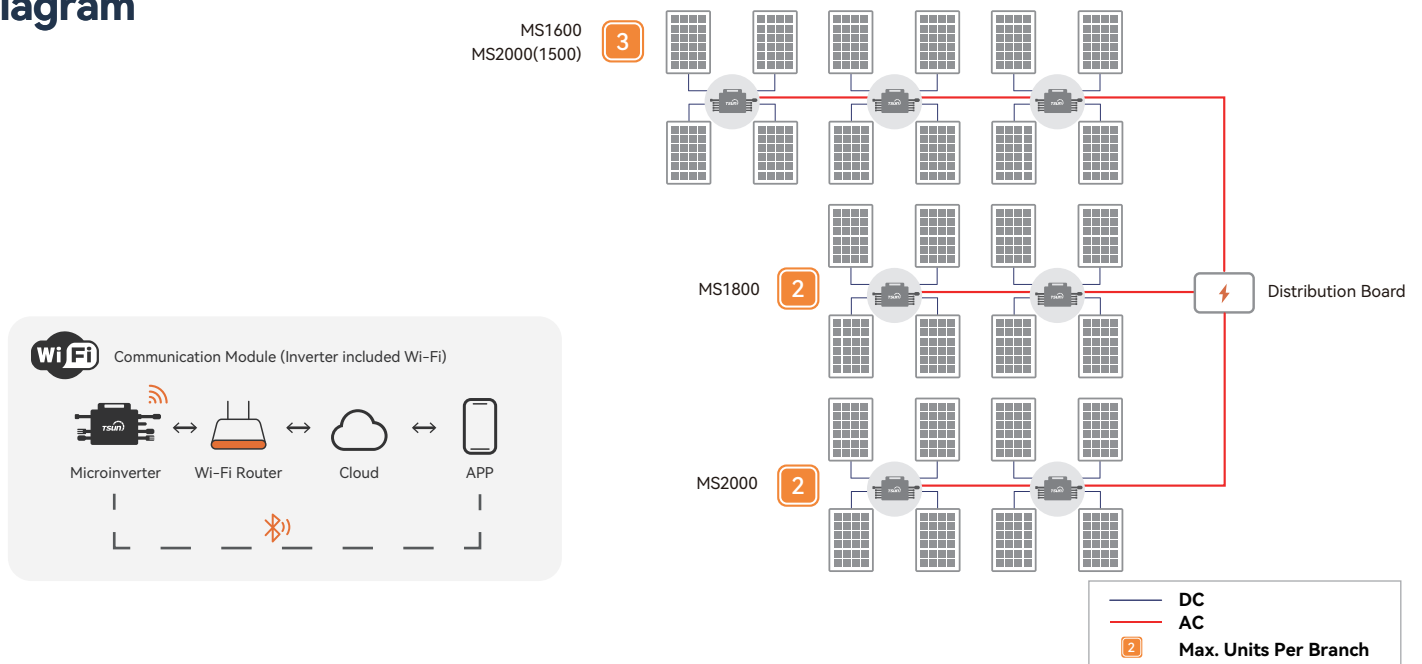
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Technical Data

Model	TSOL-MS2000(1500)	TSOL-MS1600	TSOL-MS1800	TSOL-MS2000
Input [DC]				
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
Output [AC]				
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%
Mechanical Data				
Dimensions [WxHxDmm]	331*261*44			
Weight [kg]	5.5			
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°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

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