

TSUN Micro Inverter



TSOL-MS3000/MP2000/MP3000



High Efficiency

- Higher output power, up to 3000W
- Higher input DC current, up to 20A, compatible with 182/210 solar module
- Individual power conversion, up to 6 MPPTs, fit for complicated roof installation
- Unique topology design, Max. efficiency up to 97.6%

High Safety

- Low DC input voltage, no risk for DC Arc
- Comply with the requirements of rapid shutdown

High Usability

- Plug & Play design, fast installation and wiring
- Integrated with TSUN independent developed communication module, no extra monitor device needed
- "One-button" networking configuration with multiple micro inverters at the same time, unique monitoring solution for microinverter

High Reliability

- IP67 design, high level of dustproof and waterproof, suitable for outdoor
- Unique radiating fin design, good heat dissipation, longer life time
- Standard 12 years warranty including the communication module

CE VDE 0126 VDE 4105 EN 50549 AS4777 CEI 0-21 INMETRO RD 1699 NTS631 G 98 CQC MEA PEA



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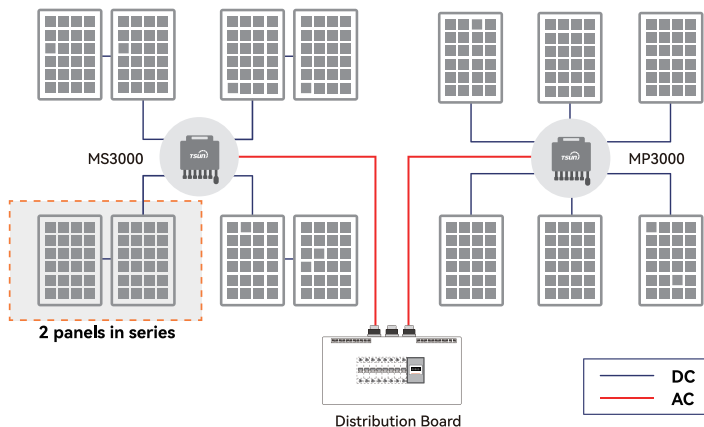
Add: Chuangye Road, Dayun Town, Jiashan County, Zhejiang Province, China

Technical Data

Model	MP2000	MP3000	MS3000
Input(DC)			
Quantity of Input	4 inputs, 4 Panels	6 inputs, 6 Panels	4 inputs, 8 Panels
Recommended Input Power [W]	480~700	480~700	440~600
Mppt Voltage Range at Norminal Output [V]	28~48	28~48	71~96
Operating Voltage Range [V]	16~60	16~60	32~120
Max. Input Voltage [V]	60	60	120
Max. Input Current [A]	20	20	15
Quantity of MPPT	4	6	4
Output [AC]			
Max. Output Power [VA]	2200	3300	3300
Nominal Continous Output Power [W]	2000	3000	3000
Nominal Output Current [A]	8.7	13	13
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%		
Efficiency			
Peak Inverter Efficiency	97.6%	97.6%	97.6%
CEC Weighted Efficiency	97.0%	97.0%	97.0%
Nominal MPPT Efficiency	99.9%	99.9%	99.9%
Night Time Power Consumption	<1W	<1W	<1W
Mechanical Data			
Dimensions (WxHxD) [mm]	354 * 294 * 60		
Weight [kg]	5.6		
Type of Enclosure	IP67		
Cooling	Natural convection		
Environmental Data			
Operating Ambient Temperature Range [℃]	-40 ~ +65		
Relative Humidity	100%		
Max. Operating Altitude Without Derating [M]	2000		

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

Diagram



Ordering Information

Ordering NO.	Model	Description
06.02.01.001	TSOL-MP3000	Microinverter, output 3000W Max input current 20A
06.02.01.002	TSOL-MP2000	Microinverter, output 2000W Max input current 20A
06.02.01.003	TSOL-MS3000	Microinverter, output 3000W Max input current 15A

For more information, visit/contact us at www.tsun-ess.com

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