



TSUN TITAN Microinverter

TSOL-MP2250 TSOL-MP3000 TSOL-MS3000

High Efficiency

Higher output power, up to 3000W

Higher input DC current, up to 18.5A, 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 97.2%

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

Integated 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

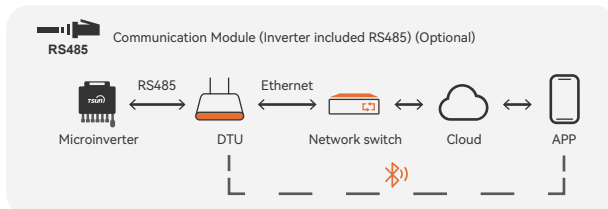
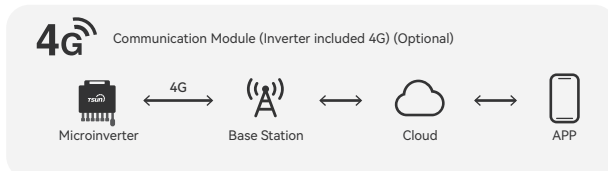
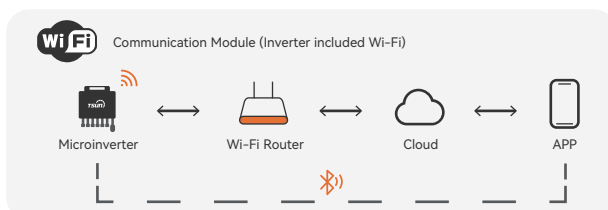
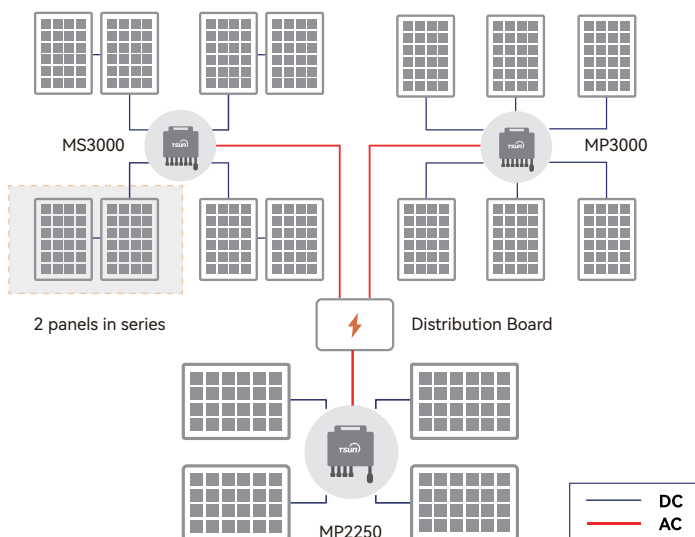
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Technical Data

Model	TSOL-MP2250	TSOL-MP3000	TSOL-MS3000
Input(DC)			
Quantity of Input	4 inputs, 4 Panels	6 inputs, 5~6 Panels	4 inputs, 7~8 Panels
Recommended Module Power [W]	480~700+	480~700+	380~600+
Start up Voltage per Input@Rated condition [V]	22	22	24
Mppt Voltage Range per Input [V]	18~60	18~60	22~120
Max. Input Voltage per Input [V]	60	60	120
Max. Short-circuit Current per Input(A)	20	20	16
Max. Input Current per Input [A]	18.5	18.5	15
Quantity of MPPT	4	6	4
Output [AC]			
Max. Continuous Output Power [VA]	2250	3000	3000
Nominal Continuous Output Power [W]	2250	3000	3000
Nominal Output Current [A]	10.2	13.6	13.6
Max Output Current [A]	11	14	14
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	97.0%	97.1%	97.2%
CEC Weighted Efficiency	96.5%	96.6%	96.7%
Nominal MPPT Efficiency	99.9%	99.9%	99.9%
Mechanical Data			
Dimensions (WxHxD) [mm]	354 * 294 * 60		
Weight [kg]	6.4	7.2	6.8
Pallet	44		
General Data			
Display	LED indicators;TSUN APP+WEB		
Communication	Wi-Fi module; 4G module (Optional); RS485 (Optional)		
Type of Isolation	Transformerless		
Type of Enclosure	IP67		
Cooling	Natural convection		
Operating Ambient Temperature Range	-25 ~ +65 °C (derating of over 50°C Ambient Temperature)		
Night Time Power Consumption	<1W		
Standards	EN/IEC 62109-1, EN/IEC 62109-2, VDE-AR-N-4105, EN 50549-1, ABNT		
Protection			
	Anti-Islanding protection	Integrated	
	Insulation monitoring	Integrated	
	AC surge protection	TYPE II	
	Residual current monitoring	Integrated	
	AC overcurrent protection	Integrated	
	AC short-circuit protection	Integrated	
	AC over/under voltage protection	Integrated	
	AC over/under frequency protection	Integrated	
	Over-heat protection	Integrated	

Diagram



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

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