

TSUN GEN3 Microinverter

TSOL-MS300-D TSOL-MS350-D TSOL-MS400-D



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 RD 1699 G 98

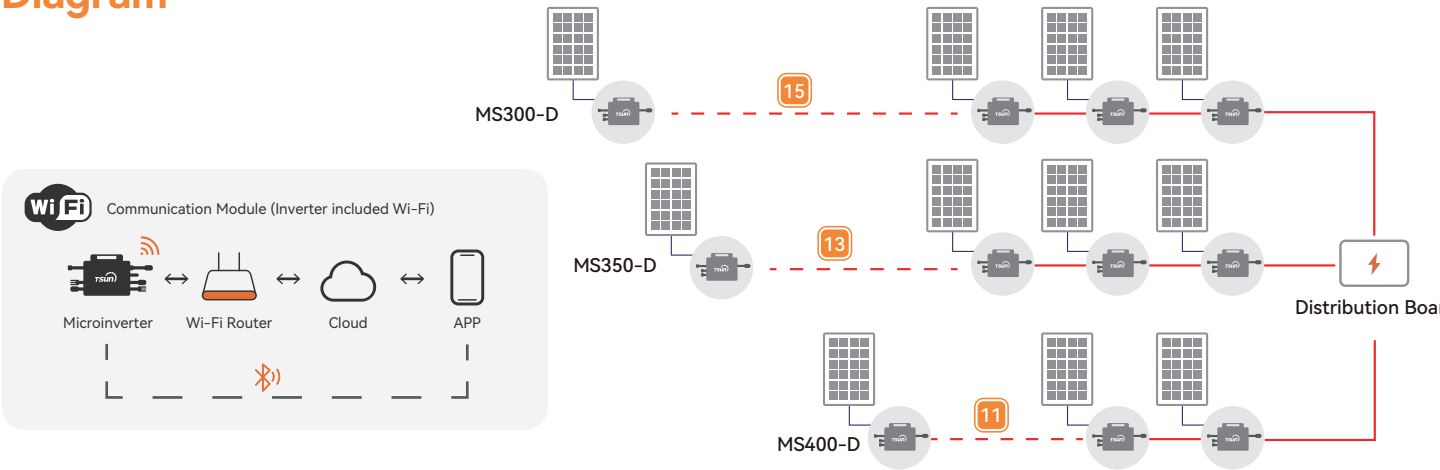
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Technical Data

Model	TSOL-MS300-D		TSOL-MS350-D		TSOL-MS400-D	
Input(DC)						
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 [A]	14		14		14	
Max. Input Short-circuit Current[A]	20		20		20	
Output [AC]						
Max. Continous Output Power [VA]	300		350		400	
Nominal Continous Output Power [W]	300		350		400	
Nominal Output Current [A]	1.3		1.52		1.74	
Max. Output Current [A]	1.45		1.59		2	
Nominal Output Voltage [V]	220/230/240(175~270), 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	15		13		11	
Efficiency						
Peak Inverter Efficiency	96.7%					
CEC Weighted Efficiency	96.5%					
Nominal MPPT Efficiency	99.9%					
EU Efficiency	96.3%					
Night Time Power Consumption [mW]	< 50					
Mechanical Data						
Dimensions [WxHxD mm]	164 * 182 * 30					
Weight [kg]	2					
Pallet	150					
Type of Enclosure	IP67					
Cooling	Natural Convection					
Environmental Data						
Operating Ambient Temperature Range [°C]	-40 °C to 65°C					
Operating Internal Temperature Range [°C]	-40 °C to 85°C					
Relative Humidity	0-100% condensing					
Max. Operating Altitude Without Derating [M]	2000					
Monitor	Integrated WiFi (Optional)					

Diagram



Optional Accessories



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

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