

# TSUN GEN3 Microinverter

TSOL-MS300 TSOL-MS350 TSOL-MS400



## 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	TSOL-MS350	TSOL-MS400
<b>Input(DC)</b>			
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
<b>Output [AC]</b>			
Max. Continuous Output Power [VA]	300	350	400
Nominal Continuous Output Power [W]	300	350	400
Nominal Output Current [A]	1.3	1.52	1.74
Max. Output Current [A]	11	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	12	10	9
<b>Efficiency</b>			
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		
<b>Mechanical Data</b>			
Dimensions [WxHxD mm]	178x153x28		
Weight [kg]	1.98		
Type of Enclosure	IP67		
Cooling	Natural Convection		
<b>Environmental Data</b>			
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

