TSUN
GEN3 Microinverter

TSOL-MS300 TSOL-MS350 TSOL-MS400

MORE SAFETY MORE POWER

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
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	12	10	9
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]	182×164×30		
Weight [kg]	2		
Type of Enclosure	IP67		
Cooling	Natural Convection		
Environmental Data			
Operating Ambient Temperature Range [℃]	-40 ℃ to 65℃		
Operating Internal Temperature Range [℃]	-40 ℃ to 85℃		
Relative Humidity	0-100% condensing		
Max. Operating Altitude Without Derating [M]	2000		
Monitor	Integrated WiFi (Optional)		

Diagram