

TSUN GEN3 Microinverter

TSOL-MS600 TSOL-MS700 TSOL-MS800



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.

Technical Data

Model	TSOL-MS600		TSOL-MS700		TSOL-MS800	
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	
Quantity of MPPT	2		2		2	
Output [AC]						
Max. Continous Output Power [VA]	600		700		800	
Nominal Continous Output Power [W]	600		700		800	
Nominal Output Current [A]	2.61		3.04		3.48	
Max. Output Current [A]	3		3.19		4	
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	6		5		4	
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]	250 * 170 * 28					
Weight [kg]	3					
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

