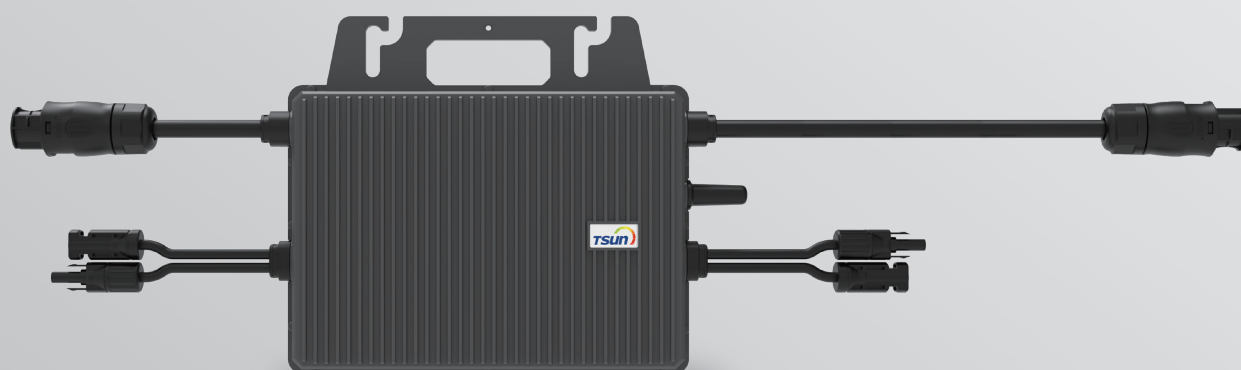


TSOL-M800(DE)/TSOL-M800/TSOL-MS800



Maximized Efficiency

- Individual optimization, se-parate dedicated MPPT for each panel.
- New topology design, max. efficiency up to 96.7%.

Flexibility

- Plug & play installation. Easy to install.
- Multi-channel MPPT for complex installation environments with higher cost performance.

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 AS4777 CEI 0-21 INMETRO RD 1699 G 98

Technical Data

Model	TSOL-M800(DE)	TSOL-M800	TSOL-MS800
Input(DC)			
Recommended Input Power [W]	240-380	280-440	300-500
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]	12.5	13.3	14
Max. Input Short Circuit Current[A]	15	20	20
Output [AC]			
Max. 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 / Range [V] *	230, L/N/PE , 207-253V		
Nominal Frequency / Range [Hz] *	50, 45-55Hz		
Power Factor	0.8 leading ... 0.8 lagging		
Output Current Harmonic Distortion	< 3%		
Max. Units Per Branch	6	5	4
Efficiency			
Peak Conversion 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		

Diagram

