

# TSUN Micro Inverter

TSOL-M350/M400



## Maximized Efficiency

- Individual optimization, separate 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.

UL1741/IEEE1547

FCC Part 15 Class B

FCC Part15 Class C

CSA-C22.2 No. 107.1-16

# Technical Data

Model	TSOL-M350	TSOL-M400
<b>Input(DC)</b>		
Recommended Input Power [W]	240-380	280-440
MPPT Voltage Range [V]	32-48	33-48
Operating Voltage Range [V]	16-60	16-60
Max. Input Voltage [V]	60	60
Max. Input Current [A]	10.5	11.5
Max. Input Short Circuit Current[A]	15	15
<b>Output [AC]</b>		
Max. Continuous Output Power [W]	300	350
Nominal Output Current [A]	1.44(@208V),1.25(@240V)	1.68(@208V),1.46(@240V)
Nominal Output Voltage [V] *	208V or 240V	
Nominal Frequency [Hz] *	60	
Power Factor	>0.99	
Output Current Harmonic Distortion	<3%	
Max. Units Per Branch	18(@208V),20(@240V)	15(@208V),17(@240V)
<b>Efficiency</b>		
Peak Inverter Efficiency	96.7%	
CEC Weighted Efficiency	96.5%	
Nominal MPPT Efficiency	99.9%	
Night Time Power Consumption [mW]	<50	
<b>Mechanical Data</b>		
Dimensions (WxHxD) [mm]	178×153×28	
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	2.4G RF	

※ The AC voltage and frequency range may vary depending on specific country grid.

## Diagram

