

## TSOL-M350/M400



ZCS Azzurro microinverters are the best solution for your plant.

Quick and easy to install they are light and compact and can be used with a single panels or connected to multiple panels. The wide power range offered is suitable for all applications.

Microinverters are easy to monitor through PLCC (power line communication cable) or ZigBee wireless communication.

### MAXIMIZED EFFICIENCY

- Individual optimization, separated 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

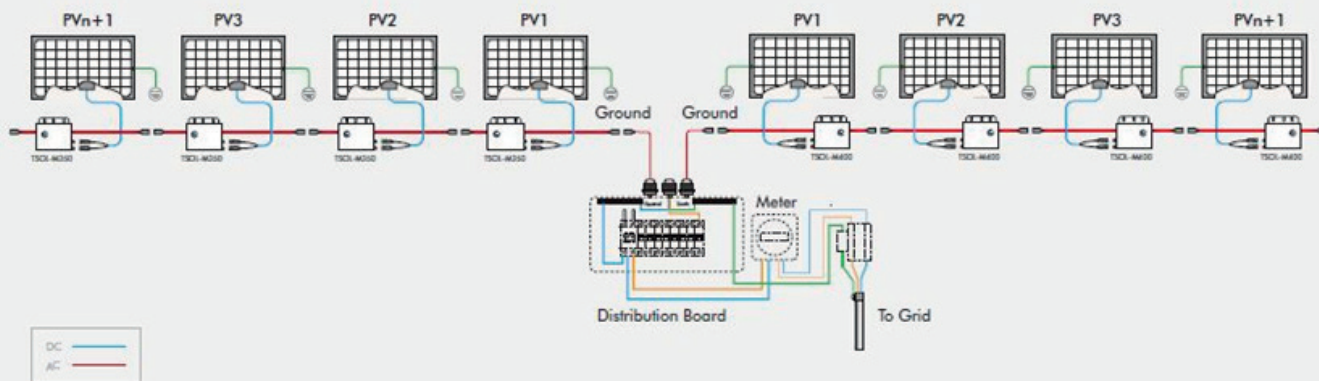
### RELIABILITY

- Die casting design and glue filling technology.
  - Better thermal dissipation
  - Standard 12 years warranty,
    - Quality guaranteed



TECHNICAL DATA	TSOL-M350	TSOL-M400
<b>Input (DC)</b>		
Recommended Input Power	240-380 W	280-440 W
MPPT Voltage Range	32-48 V	33-48 V
Operating Voltage Range	16-60 V	16-60 V
Max Input Voltage	60 V	60 V
Max Input Current	10.5 A	11.5 A
Max Input Short Circuit Current	15 A	15 A
<b>Output (AC)</b>		
Max Continuous Output Power	300 W	350 W
Nominal Output Current	1.3 A	1.52 A
Max Output Current	1.45 A	1.59 A
Nominal Output Voltage *	L/N/PE 220/230/240 V	
Nominal Output Frequency *	50/60 Hz	
Power Factor	> 0.99	
Output Current Harmonic Distortion	<3%	
Max Units Per Branch	18	16
<b>Efficiency</b>		
Peak Inverter Efficiency	96.7%	
CEC Eweighted Efficiency	96.5%	
Nominal MPPT Efficiency	99.9%	
Night Time Power Consumption	<50 mW	
<b>Mechanical Data</b>		
Dimensions WxHxD	178x153x28 mm	
Weight	1.98 kg	
Type of Enclosure	IP67	
Cooling	Natural Convection	
<b>Environmental Data</b>		
Operating Ambient Temperature Range	-40°C ~ 65°C	
Operating Internal Temperature Range	-40°C ~ 85°C	
Relative Humidity	0~100% condensing	
Max Operating Altitude Without Derating	2000	
Monitor	2.4G RF	
Grid Connection Standard	CE, VDE 0126, VDE 4105, EN 50549, UL 1741	

\* The AC voltage and frequency range may vary depending on specific country grid



Intertek

SAA

Clean Energy Council

CE

SGS

UL

CCC

AS4777 G83/2 G59/3

CE, CEI 0-21, CQC, IEC, VDE-AR-N4105/VDE-0126, EMC, C10/11, EN50438, RD1669

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