

TSUN GEN3 Microinverter

TSOL-MS300 TSOL-MS350 TSOL-MS400



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-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. Continuous Output Power [VA] | 300 | 350 | 400 |
| Nominal Continuous 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] | 178x153x28 | | |
| Weight [kg] | 1.98 | | |
| 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

