

# 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.

CE VDE 0126 VDE 4105 EN 50549 RD 1699 G 98

**TSUNESS Co., Ltd**

sales@tsun-ess.com www.tsun-ess.com +86-512-66186028

# Technical Data

Model	TSOL-MS300	TSOL-MS350	TSOL-MS400
<b>Input(DC)</b>			
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
<b>Output [AC]</b>			
Max. Continous Output Power [VA]	300	350	400
Nominal Continous 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 (12AWG)	23	19	17
Max. Units Per Branch (10AWG)*	30	26	23

\* 10 AWG cable is optional, please contact TSUN for more details

## 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

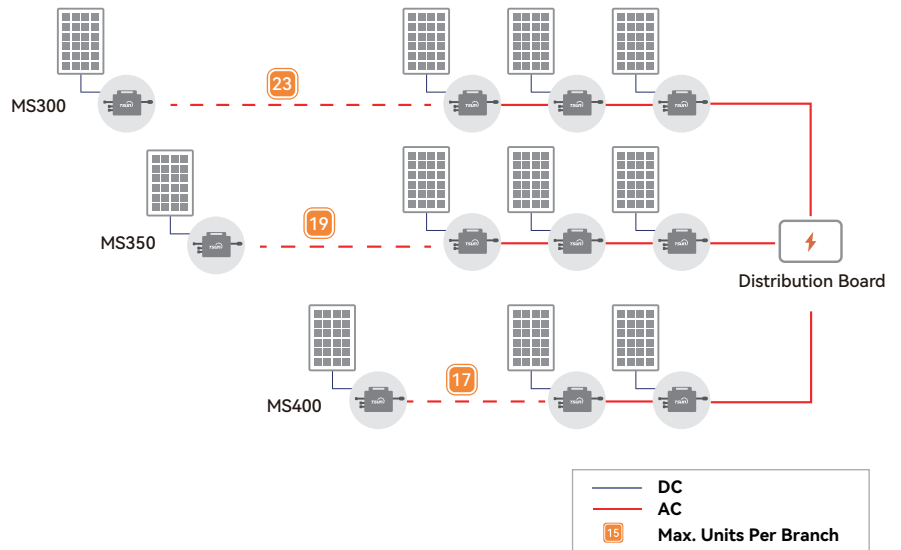
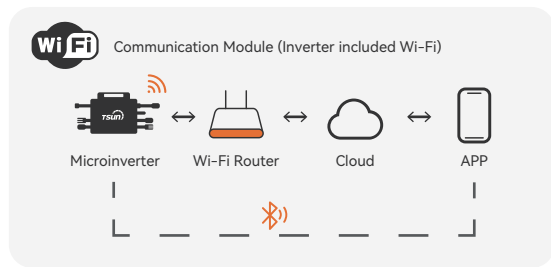
## Mechanical Data

Dimensions [WxHxD mm]	164 * 225 * 30
Weight [kg]	2
Pallet	150
Type of Enclosure	IP67
Cooling	Natural Convection
AC Cable	1.45m

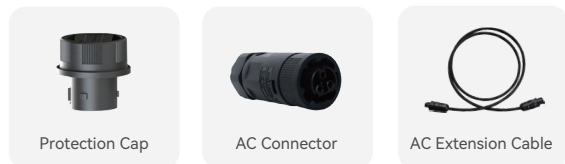
## Environmental Data

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



# Optional Accessories



For more information, visit at [www.tsun-ess.com](http://www.tsun-ess.com)

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