

TSUN GEN3 Plus Microinverter

TSOL-MS1600 TSOL-MS1800 TSOL-MS2000



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.

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-MS1600	TSOL-MS1800	TSOL-MS2000
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Input(DC)

Recommended Module Power [W]	300-700+	300-700+	300-700+
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]	16	16	16
Max. Input Short-circuit Current[A]	20	20	20
Quantity of MPPT	4	4	4

Output [AC]

Max. Continuous Output Power [VA]	1600	1800	2000
Nominal Continuous Output Power [W]	1600	1800	2000
Nominal Output Current [A]	7	7.8	8.7
Max. Output Current [A]	8	9	10
Nominal Output Voltage [V]	220/230/240, 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	5	4	3

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]	331 * 261 * 44
Weight [kg]	5.5
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

Protection

Anti-Islanding protection	Integrated
Insulation monitoring	Integrated
AC surge protection	TYPE II
AC overcurrent protection	Integrated
AC short-circuit protection	Integrated
AC over/under voltage protection	Integrated
AC over/under frequency protection	Integrated
Over-heat protection	Integrated

Diagram

