GEN3 Microinverter 4-in-1 (1600W-2250W)

Daisy-chain/Trunk Cable/Balcony



Built-in WiFi, Bluetooth
APP Remote
Monitoring & Control

97.0%

Peak Efficiency
up to 96.7%

Plug & Play
Installation

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.

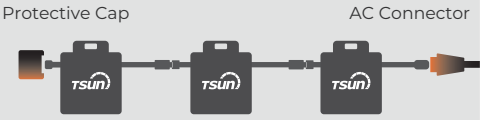
Integrated LoM protection function. Ensure the safety of power grid.

Reliability

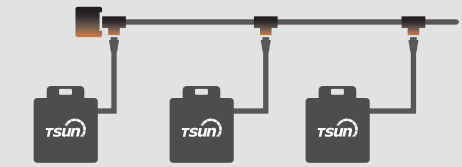
Die casting design and glue filling technology. Better thermal dissipation.

Standard 12 years warranty, quality guaranteed.

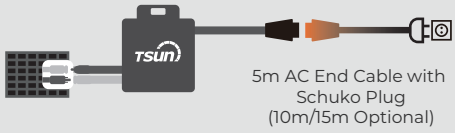
Daisy-chain



Trunk cable



Balcony



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Model	TSOL-MS1600	TSOL-MS1800	TSOL-MS2000	TSOL-MX2250
Input (DC)				
Recommended Module Power (Wp)	400 ~ 700+			
Quantity of PV Module	1 to 4			
Start up Voltage per Input@Rated Condition (V)	22			
MPPT Voltage Range per Input (V)	16 ~ 60			
Max. Input Voltage per Input (V)	60			
Short-current (A)	25			
Max. Input Current per Input (A)	18			
Quantity of MPPT	4			
Quantity of DC Inputs	4			
Output (AC)				
Nominal Continous Output Power (W)	1600	1800	2000	2250
Max Output Current (A)	8	9	10	11.25
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%			
Maximum Units per 12AWG Branch*	4	4	3	3
Maximum Units per 10AWG Branch*	6	5	5	4
Efficiency				
Peak Inverter Efficiency	96.7%			97.0%
EU Efficiency	96.5%			96.7%
Nominal MPPT Efficiency	99.9%			
Night Time Power Consumption	<50 mW			
Mechanical Data				
Dimensions (WxHxD mm)	331 x 261 x 44			
Weight (kg)(Daisy-chain)	5.5			
Weight (kg)(Trunk Cable/Balcony)	5			
General Data				
Communication	Wi-Fi (Bluetooth), 2 x RS485(Optional)			
Cable/Assembling	AC Cable up to 2.52m (Daisy-chain) AC Cable up to 0.5m with T Connector (Trunk Cable) AC Cable up to 0.5m (Balcony)			
Type of Isolation	HF Isolation			
Ingress Protection	IP67			
Cooling	Natural Convection			
Operating Ambient Temperature Range	-40 ~ +65°C (Derating of over 40°C ambient temperature @Rated condition)			
Relative Humidity	100%			
Max. Operating Altitude without Derating (m)	2000			

*For Daisy-chain & Trunk Cable