GEN3 Microinverter 2-in-1 (600W-1000W)

Daisy-chain/Trunk Cable/Balcony



Built-in WiFi, Bluetooth
APP Remote
Monitoring & Control

96.7%

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.

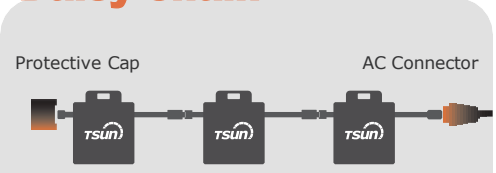
Integrated LoM protection function. Ensure the safety of power grid.

Reliability

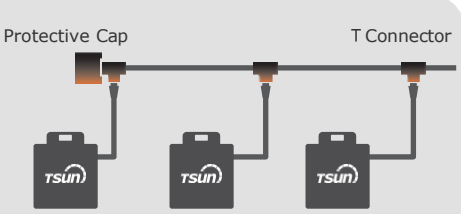
Die casting design and glue filling technology. Better thermal dissipation.

Standard 12 years warranty, quality guaranteed.

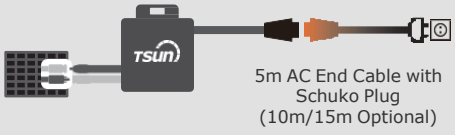
Daisy-chain



Trunk cable



Balcony



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Model	TSOL-MS600	TSOL-MS700	TSOL-MS800	TSOL-MS800	TSOL-MS900	TSOL-MS1000
Input (DC)						
Recommended Module Power (Wp)		300 ~ 550+			300 ~ 600+	
Quantity of PV Module		1 to 2			1 to 2	
Start up Voltage per Input@Rated Condition (V)		22			22	
MPPT Voltage Range per Input (V)		16 ~ 60			16 ~ 60	
Max. Input Voltage per Input (V)		60			60	
Short-current (A)		20			20	
Max. Input Current per Input (A)		18			18	
Quantity of MPPT		2			2	
Quantity of DC Inputs		2			2	
Output (AC)						
Nominal Continous Output Power (W)	600	700	800	800	900	1000
Max Output Current (A)	3	3.19	4	4	4.5	5
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*	12	10	9	9	8	7
Maximum Units per 10AWG Branch*	15	13	12	12	10	9
Efficiency						
Peak Inverter Efficiency			96.7%			
EU Efficiency			96.5%			
Nominal MPPT Efficiency			99.9%			
Night Time Power Consumption			<50 mW			
Mechanical Data						
Dimensions (WxHxD mm)		250 * 223 * 30			261 * 228 * 32	
Weight (kg)(Daisy-chain)		3.1			3.3	
Weight (kg)(Trunk Cable/Balcony)		2.6			2.8	
General Data						
Communication			Wi-Fi (Bluetooth), 2 x RS485(Optional)			
Cable/Assembling			AC Cable up to 2.43m (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			
Relative Humidity			100%			
Max. Operating Altitude without Derating (m)			2000			

*For Daisy-chain & Trunk Cable