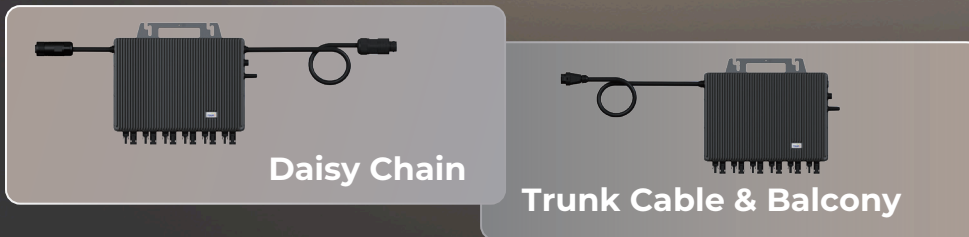


GEN3 Microinverter (6-in-1)

TSOL-MX2400D/MX2500D/MX2700D/MX3000D/MX3300D



Maximized Efficiency

Individual optimization, se-parate dedicated MPPT for each panel.New topology design, max. efficiency up to 97.0%.

Flexibility & Safety

Plug & play installation, Easy to install. 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 4105 EN 50549 INMETRO

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Technical Data (Daisy Chain)

Model	MX2400D	MX2500D	MX2700D	MX3000D	MX3300D
Input(DC)					
Recommended Module Power (Wp)	300 ~ 600+	300 ~ 600+	300 ~ 600+	300 ~ 600+	400 ~ 700+
Quantity of PV Module	1 to 6	1 to 6	1 to 6	1 to 6	1 to 6
Start up Voltage per Input@Rated condition (V)	22	22	22	22	22
MPPT Voltage Range per Input (V)	16 ~ 60	16 ~ 60	16 ~ 60	16 ~ 60	16 ~ 60
Max. Input Voltage per Input (V)	60	60	60	60	60
Short-current(A)	25	25	25	25	25
Max. Input Current per Input (A)	18	18	18	18	18
Quantity of MPPT	3	3	3	3	3
Quantity of DC Inputs	6	6	6	6	6
Output [AC]					
Nominal Continuous Output Power (W)	2400	2500	2700	3000	3300
Max Output Current [A]	12	12.5	13.5	15	16.5
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	3	3	2	2	2
Maximum units per 10AWG branch	4	4	3	3	3
Efficiency					
Peak Inverter Efficiency	97.0%				
EU Efficiency	96.7%				
Nominal MPPT Efficiency	99.9%				
Night Time Power Consumption	<50 mW				
Mechanical Data					
Dimensions [WxHxD mm]	380 * 309 * 49				
Weight [kg]	8.2				
General Data					
Communication	WiFi (Bluetooth) + RS485				
Cable/Assembling	AC Cable up to 3.7m				
Type of Isolation	HF Isolation				
Type of Enclosure	IP67				
Cooling	Natural convection				
Operating Ambient Temperature Range	-40 ~ +65 °C (derating of over 50°C Ambient Temperature@ PV input 30V)				
Relative Humidity	100%				
Max. Operating Altitude Without Derating [m]	2000				

※The AC voltage , frequency range and plug type may vary depending on specific country grid.

Wiring Diagram (Daisy-chain)



Maximum units per AC branch

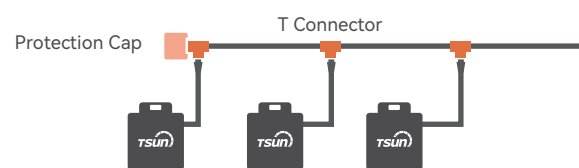
MODEL	12AWG	10AWG
MX2400	3	4
MX2500	3	4
MX2700	2	3
MX3000	2	3
MX3300	2	3

Technical Data (Trunk Cable)

Model	MX2400D	MX2500D	MX2700D	MX3000D	MX3300D
Input(DC)					
Recommended Module Power (Wp)	300 ~ 600+	300 ~ 600+	300 ~ 600+	300 ~ 600+	400 ~ 700+
Quantity of PV Module	1 to 6	1 to 6	1 to 6	1 to 6	1 to 6
Start up Voltage per Input@Rated condition (V)	22	22	22	22	22
MPPT Voltage Range per Input (V)	16 ~ 60	16 ~ 60	16 ~ 60	16 ~ 60	16 ~ 60
Max. Input Voltage per Input (V)	60	60	60	60	60
Short-current(A)	25	25	25	25	25
Max. Input Current per Input (A)	18	18	18	18	18
Quantity of MPPT	3	3	3	3	3
Quantity of DC Inputs	6	6	6	6	6
Output [AC]					
Nominal Continuous Output Power (W)	2400	2500	2700	3000	3300
Max Output Current [A]	12	12.5	13.5	15	16.5
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	3	3	2	2	2
Maximum units per 10AWG branch	4	4	3	3	3
Efficiency					
Peak Inverter Efficiency	97.0%				
EU Efficiency	96.7%				
Nominal MPPT Efficiency	99.9%				
Night Time Power Consumption	<50 mW				
Mechanical Data					
Dimensions [WxHxD mm]	380 * 309 * 49				
Weight [kg]	8.2				
General Data					
Communication	WiFi (Bluetooth) + RS485				
Cable/Assembling	AC Cable up to 0.5m with T connector				
Type of Isolation	HF Isolation				
Type of Enclosure	IP67				
Cooling	Natural convection				
Operating Ambient Temperature Range	-40 ~ +65 °C (derating of over 50°C Ambient Temperature@ PV input 30V)				
Relative Humidity	100%				
Max. Operating Altitude Without Derating [m]	2000				

※The AC voltage , frequency range and plug type may vary depending on specific country grid.

Wiring Diagram (Trunk cable)



Maximum units per AC branch

MODEL	12AWG	10AWG
MX2400	3	4
MX2500	3	4
MX2700	2	3
MX3000	2	3
MX3300	2	3

Technical Data (Balcony)

Model	MX3000D(800)	MX2400D	MX2500D	MX2700D	MX3000D	MX3300D
Input(DC)						
Recommended Module Power (Wp)	300 ~ 600+	300 ~ 600+	300 ~ 600+	300 ~ 600+	300 ~ 600+	400 ~ 700+
Quantity of PV Module	1 to 6	1 to 6	1 to 6	1 to 6	1 to 6	1 to 6
Start up Voltage per Input@Rated condition (V)	22	22	22	22	22	22
MPPT Voltage Range per Input (V)	16 ~ 60	16 ~ 60	16 ~ 60	16 ~ 60	16 ~ 60	16 ~ 60
Max. Input Voltage per Input (V)	60	60	60	60	60	60
Short-current(A)	25	25	25	25	25	25
Max. Input Current per Input (A)	18	18	18	18	18	18
Quantity of MPPT	3	3	3	3	3	3
Quantity of DC Inputs	6	6	6	6	6	6
Output [AC]						
Nominal Continuous Output Power (W)	800	2400	2500	2700	3000	3300
Max Output Current [A]	4	12	12.5	13.5	15	16.5
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%					
Efficiency						
Peak Inverter Efficiency	97.0%					
EU Efficiency	96.7%					
Nominal MPPT Efficiency	99.9%					
Night Time Power Consumption	<50 mW					
Mechanical Data						
Dimensions [WxHxD mm]	380 * 309 * 49					
Weight [kg]	8.2					
General Data						
Communication	WiFi (Bluetooth) + RS485					
Cable/Assembling	AC Cable up to 0.5m					
Type of Isolation	HF Isolation					
Type of Enclosure	IP67					
Cooling	Natural convection					
Operating Ambient Temperature Range	-40 ~ +65 °C (derating of over 50°C Ambient Temperature@ PV input 30V)					
Relative Humidity	100%					
Max. Operating Altitude Without Derating [m]	2000					

※The AC voltage , frequency range and plug type may vary depending on specific country grid.

Wiring Diagram(Balcony)

