

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



Built-in WiFi/Bluetooth
APP Remote Monitoring

96.7%

Peak Efficiency
up to 96.7%



Plug and Play
Installation

Optional Accessories



Protective Cap



AC Connector



AC Extension Cable

AC Cable:12AWG/10AWG, 2.43m



Input (DC)	MS600	MS700	MS800	MX800	MX900	MX1000
Recommended Module Power [W]	300-550+	300-550+	300-550+	300-600+	300-600+	300-600+
Quantity of PV Module	1 to 2	1 to 2	1 to 2	1 to 2	1 to 2	1 to 2
Start up Voltage [V]	22	22	22	22	22	22
MPPT Voltage Range [V]	16~60	16~60	16~60	16~60	16~60	16~60
Max. Input Voltage [V]	60	60	60	60	60	60
Short Circuit Current per Input [A]	20	20	20	20	20	20
Max. Input Current per Input [A]	14	14	14	16	16	16
Quantity of MPPTs	2	2	2	2	2	2
Quantity of DC Inputs	2	2	2	2	2	2

Output (AC)						
Nominal Continuous 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]	3.1			3.3		

General Data		
Communication	WiFi (Bluetooth)	WiFi (Bluetooth) or RS485
Cable/Assembling	AC Cable up to 2.43m	
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 and frequency range may vary depending on specific country grid.

Wiring Diagram (Daisy-chain)



Maximum units per AC branch

MODEL	12AWG	10AWG
MS600	12	15
MS700	10	13
MS800	9	12
MX800	9	12
MX900	8	10
MX1000	7	9