GEN3 Microinverter 4-in-1 (Daisy-chain) (1600W-2250W,4 MPPT)

Built-in WiFi/Bluetooth APP Remote monitoring

97.0% Peak Efficiency up to 97.0%

Plug and Play Installation

Optional Accessories

Protective Cap | AC Connector | AC Extension Cable

AC Cable:12AWG/10AWG, 2.52m

Input (DC)	MS1600	MS1800	MS2000	MX2250
Recommended Module Power [W]	300 – 600+	300 – 600+	300 – 600+	400 – 700+
Quantity of PV Module	1 to 4	1 to 4	1 to 4	1 to 4
Start up Voltage per Input@Rated condition [V]	22	22	22	22
MPPT Voltage Range per Input [V]	16~60	16~60	16~60	16~60
Max. Input Voltage per Input [V]	60	60	60	60
Short Circuit Current per Input [A]	25	25	25	25
Max. Input Current per Input [A]	16	16	16	18
Quantity of MPPTs	4	4	4	4
Quantity of DC Inputs	4	4	4	4

Output (AC)				
Nominal Continuous 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%	96.7%	96.7%	97.0%
EU Efficiency	96.5%	96.5%	96.5%	96.7%
Nominal MPPT Efficiency	99.9%			
Night Time Power Consumption	<50 mW			

Mechanical Data				
Dimensions [WxHxD mm]	331 * 261 * 44			
Weight [kg]	5.5			

General Data		
Communication	WiFi (Bluetooth) or RS485	
Cable/Assembling	AC Cable up to 2.52m	
Type of Isolation	HF Isolation	
Type of Enclosure	IP67	
Cooling	Natural convection	
Operating Ambient Temperature Range	–40 ~ +65 ℃ (derating of over 50℃ 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)

Protection Cap   AC Connector

Maximum units per AC branch

MODEL	12AWG	10AWG
MS1600	4	6
MS1800	4	5
MS2000	3	5
MX2250	3	4