

GEN3 Microinverter 1-in-1 (Balcony) (300W-500W)



96.7%
Peak Efficiency
up to 96.7%



Standard Accessories



5m AC End Cable with
Schuko Socket
(10m/15m optional)

Optional Accessories



Installation Kit

AC Cable: 18AWG, 0.5m



Input (DC)	MS300 Balcony	MS350 Balcony	MS400 Balcony	MX400 Balcony	MX450 Balcony	MX500 Balcony
Recommended Module Power [W]	300-550+	300-550+	300-550+	300-600+	300-600+	300-600+
Quantity of PV Module	1	1	1	1	1	1
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	14	14	14
Quantity of MPPTs	1	1	1	1	1	1
Quantity of DC Inputs	1	1	1	1	1	1

Output (AC)	MS300 Balcony	MS350 Balcony	MS400 Balcony	MX400 Balcony	MX450 Balcony	MX500 Balcony
Nominal Continuous Output Power [W]	300	350	400	400	450	500
Max. Output Current [A]	1.45	1.59	2	2	2.25	2.5
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	MS300 Balcony	MS350 Balcony	MS400 Balcony	MX400 Balcony	MX450 Balcony	MX500 Balcony
Peak Inverter Efficiency	96.7%					
EU Efficiency	96.5%					
Nominal MPPT Efficiency	99.9%					
Night Time Power Consumption	<50 mW					

Mechanical Data	MS300 Balcony	MS350 Balcony	MS400 Balcony	MX400 Balcony	MX450 Balcony	MX500 Balcony
Dimensions [WxHxD mm]	164 * 225 * 30					
Weight [kg]	1.75					

General Data	MS300 Balcony	MS350 Balcony	MS400 Balcony	MX400 Balcony	MX450 Balcony	MX500 Balcony
Communication	WiFi (Bluetooth)					
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 and frequency range may vary depending on specific country grid.

Wiring Diagram (Balcony)



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