

GEN3 Microinverter 1-in-1 (Daisy-chain) (300W-500W)





Built-in WiFi/Bluetooth
APP Remote Monitoring

96.7%



Peak Efficiency
up to 96.7%

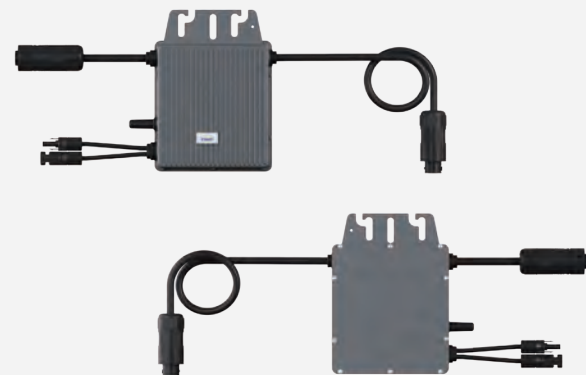


Plug and Play
Installation

Optional Accessories



AC Cable:12AWG/10AWG, 1.45m



Input (DC)	MS300	MS350	MS400	MX400	MX450	MX500
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	MS350	MS400	MX400	MX450	MX500
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%					
Maximum units per 12AWG branch	23	20	17	17	15	14
Maximum units per 10AWG branch	31	26	23	23	20	18
Efficiency	MS300	MS350	MS400	MX400	MX450	MX500
Peak Inverter Efficiency	96.7%					
EU Efficiency	96.5%					
Nominal MPPT Efficiency	99.9%					
Night Time Power Consumption	<50 mW					
Mechanical Data	MS300	MS350	MS400	MX400	MX450	MX500
Dimensions [WxHxD mm]	164 * 225 * 30					
Weight [kg]	2.1					
General Data	MS300	MS350	MS400	MX400	MX450	MX500
Communication	WiFi (Bluetooth)					
Cable/Assembling	AC Cable up to 1.45m					
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
MS300	23	31
MS350	20	26
MS400	17	23
MX400	17	23
MX450	15	20
MX500	14	18