

MX Mark III series solar inverters

autarco

The Autarco MX series Mark III inverters offer the latest in grid tied inverter technology. The inverter is a key element in a solar PV power plant and these inverters provide the reliable basis for Autarco's unique kWh guarantee.



Eligible for Autarco's insured kWh Guarantee



Reduced Fire Risk due to Integrated AFCI



Extremely lightweight and silent



Wide MPP tracker range



Waterproof IP66 enclosure



QUALITY CERTIFICATES

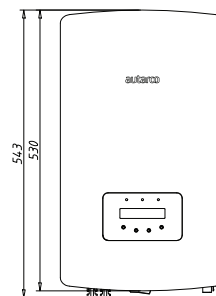
- ◆ EN 50549-1, EN 61000-6-1/3 (CE), IEC 62109-1/2
- ◆ VDE 4105, VDE 0126, C10/11, NTS 631, RD 244, RD 1699, RD 413



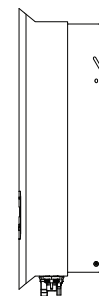
GENERAL CHARACTERISTICS

Dimensions (W x H x D)	310 x 543 x 160mm
Net weight	11-12kg
Mounting	Wall bracket
Max. site altitude	4000m
IP protection class	IP66
Isolation type	Transformerless
Cooling principle	Natural convection
Noise level, typically	< 20dBA
Product guarantee	5 year standard (10 & 15 year optional)
Consumption monitoring	Optional with meter
Communication interfaces	1 x RS485
Monitoring Options	WiFi, GPRS, 5G and Ethernet
DC switch	Integrated (optionally excluded)
Power Export Limitation	Integrated

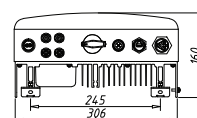
Front



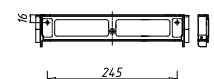
Side



Bottom



Bracket



INPUT CHARACTERISTICS

	S2.MX2500-MIII	S2.MX3000-MIII	S2.MX3600-MIII	S2.MX4000-MIII	S2.MX4600-MIII	S2.MX5000-MIII*	SX.MX6000-MIII**
Max. DC voltage (V)	550	600	600	600	600	600	600
MPP tracker voltage range (V)	50-450	90-520	90-520	90-520	90-520	90-520	90-520
Start-up DC voltage (V)	60	120	120	120	120	120	120
Number of MPP trackers	2	2	2	2	2	2	2
Max. DC current per MPPT (A)	14	14	14	14	14	14	19
Max. short circuit current (A)	22	22	22	22	22	22	22
Number of DC connections per MPPT	1	1	1	1	1	1	1
DC connection type	MC4	MC4	MC4	MC4	MC4	MC4	MC4
Turn on power (W)	10	10	10	10	10	10	10

* Model not available in Germany. ** Model not available in Belgium and Germany.

OUTPUT CHARACTERISTICS

AC connection	Plug-in	Plug-in	Plug-in	Plug-in	Plug-in	Plug-in	Plug-in
Power connection	1-phase	1-phase	1-phase	1-phase	1-phase	1-phase	1-phase
Rated AC power (W)	2500	3000	3600	4000	4600	5000	6000
Max. AC power (W)	2800	3300	4000	4400	5000	5000	6000
Rated Grid Voltage (V)	1P/N/PE, 220 V / 230 V						
Rated Grid Frequency (Hz)	50 Hz / 60 Hz						
Rated AC current (A)	11.4 / 10.9	13.6 / 13.0	16.0 / 15.7	18.2 / 17.4	20.9 / 20.0	22.7 / 21.7	27.3
Max. AC current (A)	13.3	15.7	16.0	21.0	23.8	25.0	27.3
Power factor	0.8...1...0.8	0.8...1...0.8	0.8...1...0.8	0.8...1...0.8	0.8...1...0.8	0.8...1...0.8	0.8...1...0.8
Harmonic distortion (%)	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Night-time power consumption (W)	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Standby power consumption (W)	6	6	6	6	6	6	6

EFFICIENCY

Max. efficiency	97.30 ~ 97.70%
EU efficiency	96.50 ~ 97.10%
MPPT efficiency	> 99.50%

OTHER CHARACTERISTICS

Operating temperature range	-25°C to +60°C
Relative humidity range	0% to 100%

PROTECTION

DC overvoltage protection	Integrated
DC reverse polarity protection	Integrated
Short circuit protection	Integrated
Grid monitoring	Integrated
Residual current detection	Integrated
Insulation resistance monitoring	Integrated
Temperature protection	Integrated
Islanding protection	Integrated
Arc-fault circuit interrupter	Integrated

The specifications contained in this datasheet may deviate slightly from our actual products due to on-going product improvement and are subject to change at any time without prior notice.

