

# MX Mark III

## Series solar inverters

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

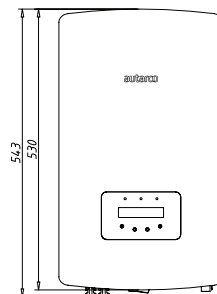
EN 50549-1, EN 61000-6-1/3 (CE), IEC 62109-1/2  
VDE 4105, VDE 0126, C10/11, NTS 631, RD 244, RD 1699, RD 413



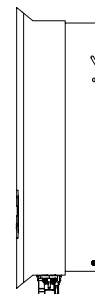
## General characteristics

<b>Dimensions (W x H x D)</b>	310 x 543 x 160mm
<b>Net Weight</b>	11.5kg
<b>Mounting</b>	Wall bracket
<b>Max. site altitude</b>	4000m
<b>IP protection class</b>	IP66
<b>Isolation type</b>	Transformerless
<b>Cooling principle</b>	Natural convection
<b>Noise level, typically</b>	< 20dBA
<b>Product guarantee</b>	5 year standard (10 & 15 year optional)
<b>Consumption monitoring</b>	Optional with meter
<b>Communication interfaces</b>	1 x RS485
<b>Monitoring Options</b>	WiFi, GPRS, 5G and Ethernet
<b>DC switch</b>	Integrated (optionally excluded)
<b>Power Export Limitation</b>	Integrated

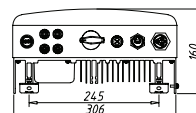
Front



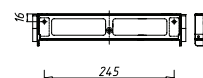
Side



Bottom



Bracket



# Input characteristics

	S2.MX2500-MIII	S2.MX3000-MIII	S2.MX3600-MIII	S2.MX4000-MIII	S2.MX4600-MIII	S2.MX5000-MIII*	S2.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	30
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	22	22	22	30

\* Model not available in 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
Grid Voltage range (V)	1P/N/PE, 220V / 230 V						
Grid Frequency range (Hz)	50 Hz / 60 Hz						
Rated AC current (A)	11.4 / 10.9	16.6 / 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

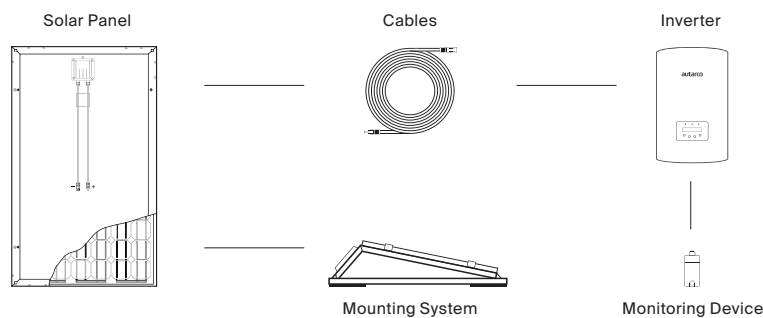
Max. efficiency	97.3 ~ 97.7%
EU efficiency	96.5 ~ 97.1%
MPPT efficiency	> 99.5%

# 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.