

MX Mark II series solar inverters

autarco

The Autarco MX mark II series inverters are built with the most advanced components available in 2018, resulting in improved processing speed, higher efficiency and superior performance in low light. In-built protection and export management deliver leading intelligence and reliability .



Eligible for Autarco's insured kWh Guarantee



Integrated power export management (DRM)



Extremely lightweight and silent



Wide MPP tracker range



Waterproof IP65 enclosure



QUALITY CERTIFICATES

◆ AS 4777, C10/11, CE, EN 50438IE , G83/2, VDE

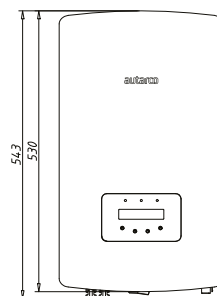
◆ N4105 IEC62109-1/2, NB/T 32004, EN61000-6-1



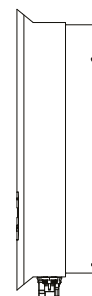
GENERAL CHARACTERISTICS

Dimensions (W x H x D)	310 x 543 x160mm
Weight	11.5kg
Mounting	Wall bracket
Max. site altitude	4000m
IP protection class	IP65 according IEC 60529
Isolation type	Transformerless
Cooling principle	Convection
Noise level	Typically < 30dBA
LED indicators	3
LCD display	2 x 20 characters
Communication interfaces	1 x RS485
Optional interfaces	WiFi, Z-wave, GPRS, LAN
DC switch	Integrated (optionally excluded)

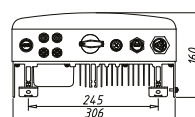
Front



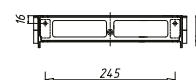
Side



Bottom



Bracket



INPUT CHARACTERISTICS

	S2.MX3000(S)-MII	S2.MX3600(S)-MII	S2.MX4000(S)-MII	S2.MX4600(S)-MII	S2.MX5000(S)-MII
Max. PV input power (W)	3500	4200	4600	5300	5800
Max. DC voltage (V)	600	600	600	600	600
MPP tracker voltage range (V)	90-520	90-520	90-520	90-520	90-520
Start-up DC voltage (V)	120	120	120	120	120
Number of MPP trackers	2	2	2	2	2
Max. DC current per MPPT (A)	11	11	11	11	11
Number of DC connections per MPPT	1	1	1	1	1
DC connection type	MC4	MC4	MC4	MC4	MC4
Turn on power (W)	10	10	10	10	10

OUTPUT CHARACTERISTICS

AC connection	Plug-in	Plug-in	Plug-in	Plug-in	Plug-in
Power connection	1-phase	1-phase	1-phase	1-phase	1-phase
Rated AC power (W)	3000	3600	4000	4600	5000
Max. AC power (W)	3300	4000	4400	5000	5000
Grid voltage range (V)	According to VDE 0126-1-1, G83/1, AS4777, ENEL2010, RD1663, C10/11				
Grid frequency range (Hz)	According to VDE 0126-1-1, G83/1, AS4777, ENEL2010, RD1663, C10/11				
Rated AC current (A)	13.0	15.7	17.4	20.0	21.7
Max. AC current (A)	15.7	16.0	21.0	23.8	25.0
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
Harmonic distortion (%)	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Night-time power consumption (W)	< 1	< 1	< 1	< 1	< 1
Standby power consumption (W)	6	6	6	6	6

EFFICIENCY

Max. efficiency	97.80 ~ 98.10%
CE efficiency	97.10 ~ 97.30%
MPPT efficiency	> 99.50%

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	Optional

OTHER CHARACTERISTICS

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

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.

