






SX Mark II series solar inverters

autarco

The Autarco SX series Mark II 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
-  Integrated power export management (DRM)
-  Extremely lightweight and silent
-  Wide MPP tracker range
-  Waterproof IP65 enclosure



QUALITY CERTIFICATES

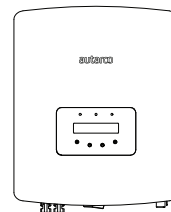
- ◆ AS 4777, C10/11, CE, EN 50549, G83/2, VDE N4105
- ◆ IEC62109-1/2, NB/T 32004, EN61000-6-1



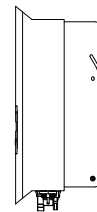
GENERAL CHARACTERISTICS

Warranty	Standard 5 years extendable to 15 years
Dimensions (W x H x D)	310 x 373 x 160mm
Net weight	8.5 - 8.8kg
Mounting	Wall bracket
Max. site altitude	4000m
IP protection class	IP65 conform IEC 60529
Isolation type	Transformerless
Cooling principle	Convection
Noise level, typically	< 20dBA
Product guarantee	5 years standard extendable to 15 year
Consumption monitoring	Optional via RJ45 with meter
Communication interfaces	1 x RS485
Monitoring Options	WiFi, GPRS, Z-wave, LAN
DC switch	Integrated (optionally excluded)
Power Export Limiter	Internal

Front



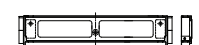
Side



Bottom



Bracket



INPUT CHARACTERISTICS

	S2.SX700(S)-MII	S2.SX1000(S)-MII	S2.SX1500(S)-MII	S2.SX2000(S)-MII	S2.SX2500(S)-MII	S2.SX3000(S)-MII	S2.SX3600(S)-MII
Max. DC voltage (V)	600	600	600	600	600	600	600
MPP tracker voltage range (V)	50-500	50-500	50-500	80-500	80-500	80-500	80-500
Start-up DC voltage (V)	60	60	60	90	90	90	90
Number of MPP trackers	1	1	1	1	1	1	1
Max. DC current per MPPT (A)	11	11	11	11	11	11	19
DC connections per MPPT	1	1	1	1	1	1	2
DC connection type	MC4	MC4	MC4	MC4	MC4	MC4	MC4
Turn on power (W)	10	10	10	10	10	10	10
Max. short circuit current (A)	17.2	17.2	17.2	17.2	17.2	17.2	30.0

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)	700	1000	1500	2000	2500	3000	3600
Max. AC power (W)	800	1100	1700	2200	2800	3300	3600
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)	3.0	4.3	6.5	8.7	10.9	13.0	16.0
Max. AC current (A)	4.4	5.2	8.1	10.5	13.3	15.7	16.0
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	0.8...1...0.8	0.8...1...0.8
Harmonic distortion (%)	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
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	97.20 ~ 97.50%
CE efficiency	96.50 ~ 96.80%
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.

