

XLX-MII series

autarco

The Autarco three-phase XLX-MII series inverters offer safety and reliability for commercial projects. The XLX-MII series delivers the utmost in security features including integrated ARC-fault detection and perfectly matched total solution. This series has better performance in low light, more flexibility and excellent handling of grid fluctuations.



Superior Safety with arc fault protection and reduced fire risk



Digital O&M including IV Curve analysis



Over 98.8% Max efficiency



Low start up voltage



Compact, lightweight and IP65



QUALITY CERTIFICATES

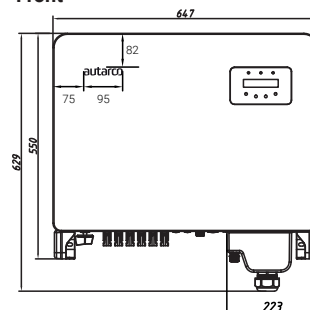
- ◆ EN50549 VDE0126-1-1, G59/3, NB/T32004, AS4777, IEC61727
- ◆ IEC62109-1-2, AS3100, EN61000-6-1, EN62109
- ◆ VDE4105, CE, Solarif



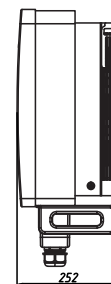
GENERAL CHARACTERISTICS

Warranty	Standard 5 years extendable to 15 years
Dimensions (W x H x D)	647 x 629 x 252mm
Mounting	Wall bracket
Weight	45 kg
Max. site altitude	4000m
IP protection class	IP65 according IEC 60529
Isolation type	Transformerless
Cooling principle	Convection
Noise level, typical	< 60dBA
LED indicators	3
LCD display	2 x 20 characters
Communication interfaces	1x RS485 interal & 2x RS485 external
Optional interfaces	WiFi, GPRS, Z-Wave, LAN
DC switch	Integrated (optionally excluded)

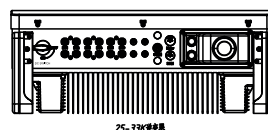
Front



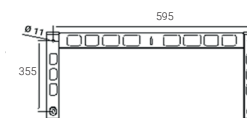
Side



Bottom



Bracket



INPUT CHARACTERISTICS

	S2.XLX25000S-MII	S2.XLX30000S-MII	S2.XLX33000S-MII	S2.XLX36000S-MII	S2.XLX40000S-MII
Max. PV input power (W)	33000	39000	43000	47000	52000
Max. DC voltage (V)	1100	1100	1100	1100	1100
MPP tracker voltage range (V)	200-1000	200-1000	200-1000	200-1000	200-1000
Start-up DC voltage (V)	180	180	180	180	180
Number of MPP trackers	3	3	3	4	4
Max. DC current per MPPT (A)	26	26	26	26	26
Max. short circuit current (A)	50	50	50	50	50
Number of DC connections per MPPT	2	2	2	2	2
DC connection type	MC4	MC4	MC4	MC4	MC4
Turn on power (W)	10	10	10	10	10

OUTPUT CHARACTERISTICS

AC connection	380 / 400 VAC	380 / 400 VAC	380 / 400 VAC	380 / 400 VAC	380 / 400 VAC
Power connection	3-phase	3-phase	3-phase	3-phase	3-phase
Rated AC power (W)	25000	30000	33000	36000	40000
Rated AC current (A) at 380V/400V	38.0 / 36.1	45.6 / 43.3	50.1 / 47.6	54.7 / 52.0	60.8 / 57.7
Max. AC power (W)	27500	33000	36300	39600	44000
Max. AC current (A) at 380V	41.8	50.2	55.1	60.2	66.9
Grid voltage range (V)& frequency range (Hz)	According to EN50549-NL, VDE 0126-1-1, G59/3, AS4777, NB/T32004, G99, RD1699				
Max. AC current (A) at 400V	39.7	47.6	52.4	57.2	63.5
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 (%)	< 3	< 3	< 3	< 3	< 3
Cooling principle	Convection	Convection	Convection	Convection	Convection
DC injection current (mA)	< 50	< 50	< 50	< 50	< 50

EFFICIENCY

Max. efficiency	98.60%
Euro efficiency	98.30%
MPPT efficiency	99.90%

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
Insulation resistance monitoring	Integrated
Temperature protection	Integrated
Islanding protection	Integrated
Arc-fault circuit interrupter	Integrated
Output over current protection	Integrated
DC surge protection type	II
AC surge protection type	II (Type I Optional)

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.

