






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



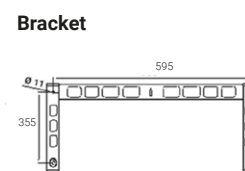
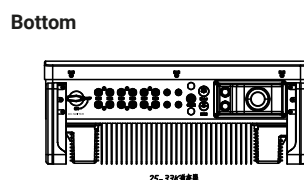
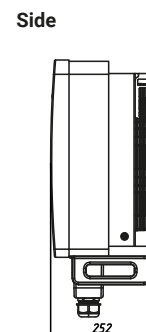
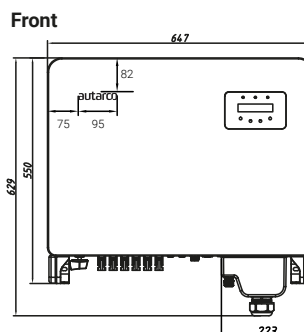
QUALITY CERTIFICATES

- ◆ EN50438IE VDE0126-1-1, G59/3, NB/T32004, AS4777, IEC61727 IEC62109-1-2, AS3100, EN61000-6-1, EN62109
- ◆ VDE4105, CE, Solarif



GENERAL CHARACTERISTICS

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	< 30dBA
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)



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
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				
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
Weight (kg)	45	45	45	45	45

EFFICIENCY

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

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)

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.

