

XLX-MIII

Series solar inverters

The Autarco three-phase XLX-MIII series inverters offer safety and reliability for commercial projects. The XLX-MIII 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 98.5% Max efficiency
- + Low start up voltage
- + Compact, lightweight and IP66



Quality Certificates

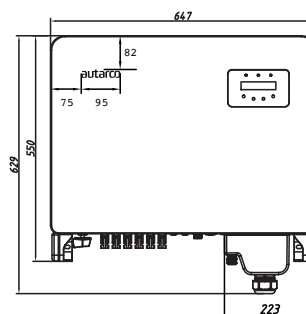
EN 50549-1, EN 50549-2, EN 61000-6-1/2/3/4 (CE), IEC 62109-1/2
VDE 4105, VDE 0126, C10/11, NTS 631, RD 1699, RD 413



General characteristics

Dimensions (W x H x D)	647 x 629 x 252mm
Weight	37kg
Mounting	Wall bracket
Max. site altitude	4000m
IP protection class	IP66
Isolation type	Transformerless
Cooling principle	Intelligent fan cooling
Noise level, typical	< 60dBA
LED indicators	3
Warranty	Standard 5 years extendable to 15 years
LCD display	2 x 20 characters
Communication interfaces	1x RS485 internal & 2x RS485 external
Optional interfaces	WiFi, GPRS, LAN
DC switch	Integrated (optionally excluded)

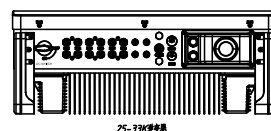
Front



Side



Bottom



Bracket



Input characteristics

	S2.XLX25000S-MIII	S2.XLX30000S-MIII	S2.XLX33000S-MIII	S2.XLX36000S-MIII	S2.XLX40000S-MIII
Max. PV input power (W)	37500	45000	49500	54000	60000
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	3	3
Max. DC current per MPPT (A)	32	32	32	32	32
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 stroom (A) bij 380V/400V	41.8	50.2	55.1	60.2	66.9
Rated Grid Voltage (V) & Rated Frequency (Hz)	According to EN50549-NL, VDE 0126-1-1, RD1699129.4				
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	Intelligent fan	Intelligent fan	Intelligent fan	Intelligent fan	Intelligent fan
DC injection current (mA)	< 50	< 50	< 50	< 50	< 50

Efficiency

Max. efficiency	98.5%
Euro efficiency	98.1%
MPPT efficiency	99.9%

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	II
AC surge protection type	II (Type I Optional)

