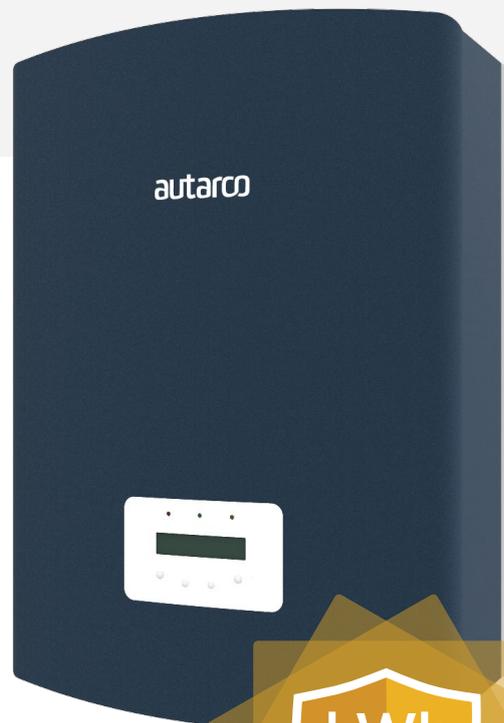


# LX series solar inverters

autarco

The Autarco LX series inverters offer the best and most reliable performance in its class. 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.



- 10** Standard 10-year product warranty
-  Compact, lightweight and silent, low starting voltage
-  Two independent MPP trackers
-  Extremely wide MPPT voltage range
-  Waterproof IP65 enclosure

## Quality certificates

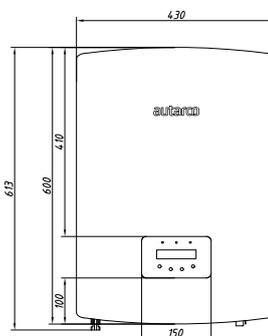
- ▣ AS 4777, C10/11, CE, EN 50438, G59/3
- ▣ IEC 61727, IEC 62116
- ▣ IEC 62109, VDE0126-1-1, VDE-AR-N 4105



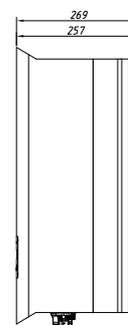
## General characteristics

<b>Dimensions (W x H x D)</b>	430 x 613 x 269mm
<b>Mounting</b>	Wall bracket
<b>Weight</b>	29-30kg
<b>Max. site altitude</b>	4000m
<b>IP protection class</b>	IP65 according IEC 60529
<b>Isolation type</b>	Transformerless
<b>Cooling principle</b>	Convection
<b>Noise level, typical</b>	< 30dBA
<b>LED indicators</b>	3
<b>LCD display</b>	2 x 20 characters
<b>Communication interfaces</b>	1 x RS485
<b>Optional interfaces</b>	WiFi, LAN, Z-Wave, GPRS
<b>DC switch</b>	Integrated (optionally excluded)

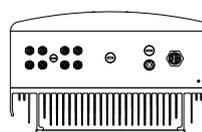
Front



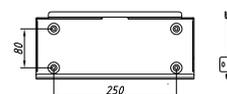
Side



Bottom



Bracket



## Input characteristics

	LX6000	LX10000	LX15000
Max. PV input power (W)	6900	11500	16500
Max. DC voltage (V)	1000	1000	1000
MPP tracker voltage range (V)	200-800	200-800	200-800
Start-up DC voltage (V)	250	250	250
Number of MPP trackers	2	2	2
Max. DC current per MPPT (A)	15	18	18
Number of DC connections per MPPT	1	2	2
DC connection type	MC4	MC4	MC4
Turn on power (W)	10	10	10

## Output characteristics

AC connection	Plug-in	Plug-in	Plug-in
Power connection	3-phase	3-phase	3-phase
Rated AC power (W)	6000	10000	15000
Max. AC power (W)	6600	11000	15000
Grid voltage range (V)	According to VDE 0126-1-1, G59/3, AS4777, NB/T32004		
Grid frequency range (Hz)	According to VDE 0126-1-1, G59/3, AS4777, NB/T32004		
Rated AC current (A)	8.7	14.4	21.7
Max. AC current (A)	10.0	16.7	25.0
Power factor	0.8..1..0.8	0.8..1..0.8	0.8..1..0.8
Harmonic distortion	< 3%	< 3%	< 3%
power consumption during night (W)	< 1	< 1	< 1
power consumption during stand-by (W)	6	6	6
DC current injection (mA)	< 20	< 20	< 50

## Efficiency

Max. efficiency	98.2 - 89.3%
Euro efficiency	97.3 - 97.5%
MPPT efficiency	>99 - >99.5%

## Protection

DC overvoltage protection	Integrated
DC reverse polarity protection	Integrated
Short circuit protection	Integrated
Grid monitoring	Integrated
Insulation resistance monitoring	Integrated
Temperature protection	Integrated
DC disconnection	Integrated

## Other characteristics

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

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.

