





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

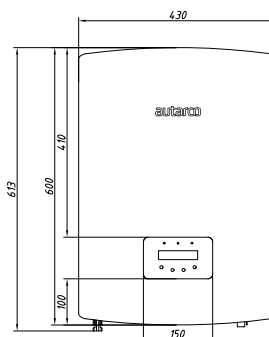
- ▣ AS 4777, C10/11, CE, EN 50438, G59/3
- ▣ IEC 61727, IEC 62116
- ▣ IEC 62109, VDE0126-1-1, VDE-AR-N 4105



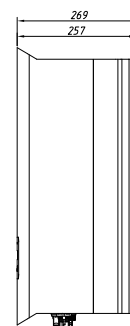
General characteristics

| | |
|---------------------------------|----------------------------------|
| Dimensions (W x H x D) | 430 x 613 x 269mm |
| Mounting | Wall bracket |
| Weight | 29-30kg |
| 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 | 1 x RS485 |
| Optional interfaces | WiFi, LAN, Z-Wave, GPRS |
| DC switch | Integrated (optionally excluded) |

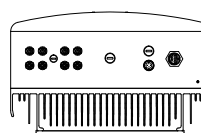
Front



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.

