

XLX series solar inverters

autarco

The Autarco XLX 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.



Eligible for Autarco's insured kWh Guarantee



Compact, lightweight and silent



Four independent MPP trackers



Extremely wide MPPT voltage range



Waterproof IP65 enclosure

QUALITY CERTIFICATES

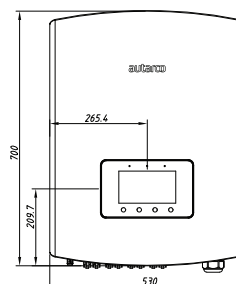
- ◆ EN 50549, VDE0126-1-1, G59/3, NB/T32004, AS4777, IEC61727
- ◆ IEC62109-1-2, AS3100, EN61000-6-1, EN62109
- ◆ VDE4105, CE, Solarif



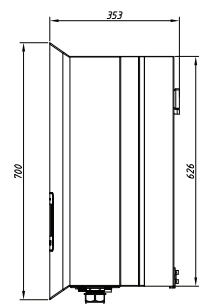
GENERAL CHARACTERISTICS

| | |
|---------------------------------|---|
| Warranty | Standard 5 years extendable to 15 years |
| Dimensions (W x H x D) | 530 x 700 x 356.5mm |
| Mounting | Wall bracket |
| Weight | 58.2kg |
| 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 | 7" full color |
| Communication interfaces | 1xRS485, 2xRJ45 |
| Optional interfaces | WiFi, GPRS, Z-Wave, LAN |
| DC switch | Integrated (optionally excluded) |

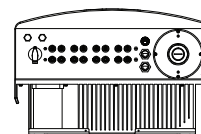
Front



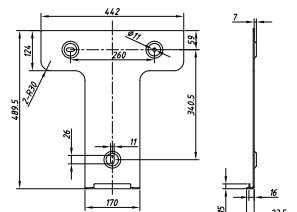
Side



Bottom



Bracket



INPUT CHARACTERISTICS

| | S2.XLX20000(S) | S2.XLX25000(S) | S2.XLX30000(S) |
|-----------------------------------|----------------|----------------|----------------|
| Max. PV input power (W) | 23000 | 28000 | 34000 |
| Max. DC voltage (V) | 1000 | 1000 | 1000 |
| MPP tracker voltage range (V) | 200-800 | 200-800 | 200-800 |
| Start-up DC voltage (V) | 350 | 350 | 350 |
| Number of MPP trackers | 4 | 4 | 4 |
| Max. DC current per MPPT (A) | 18 | 18 | 18 |
| Number of DC connections per MPPT | 2 | 2 | 2 |
| DC connection type | MC4 | MC4 | MC4 |
| Turn on power (W) | 10 | 10 | 10 |
| Max. short circuit current (A) | 23.4 | 23.4 | 23.4 |

OUTPUT CHARACTERISTICS

| | | | |
|---------------------------|---|-------------------|-------------------|
| AC connection | 380 / 400 VAC | 380 / 400 VAC | 380 / 400 VAC |
| Power connection | 3-phase | 3-phase | 3-phase |
| Rated AC power (W) | 20000 | 25000 | 30000 |
| Max. AC power (W) | 22000 | 27500 | 33000 |
| 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) | 28.7 | 36.1 | 43.3 |
| Max. AC current (A) | 33.3 | 41.7 | 50.0 |
| Power factor | 0.8 ... 1 ... 0.8 | 0.8 ... 1 ... 0.8 | 0.8 ... 1 ... 0.8 |
| Harmonic distortion (%) | < 3 | < 3 | < 3 |
| Cooling principle | Convection | Convection | Convection |
| DC injection current (mA) | < 50 | < 50 | < 50 |
| Weight (kg) | 57.2 | 58.2 | 58.2 |

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 |
| Residual current detection | Integrated |
| Insulation resistance monitoring | Integrated |
| Temperature protection | Integrated |
| Islanding protection | Integrated |
| Arc-fault circuit interrupter | 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.

