






# LD Mark II series solar inverters

# autarco

The Autarco LD series inverters offer the best and most reliable performance in its class. The upgraded MII models are built with the most advanced components available in 2019, resulting in improved processing speed, higher efficiency and superior performance in low light.

-  Eligible for Autarco's insured kWh Guarantee
-  Compact, lightweight
-  Two independent MPP trackers
-  Extremely wide MPPT voltage range
-  Waterproof IP65 enclosure



## QUALITY CERTIFICATES

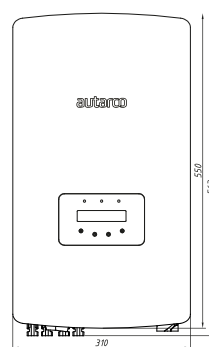
- ◆ AS 4777, C10/11, CE, EN 50438IE, G59/3
- ◆ IEC 61727, IEC 62116
- ◆ IEC 62109, VDE0126-1-1, VDE-AR-N 4105



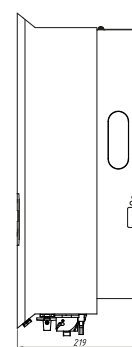
## GENERAL CHARACTERISTICS

<b>Dimensions (W x H x D)</b>	310 x 563 x 219 mm
<b>Mounting</b>	Wall bracket
<b>Weight</b>	18 kg
<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)

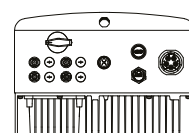
Front



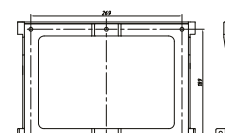
Side



Bottom



Bracket



# INPUT CHARACTERISTICS

	S2.LD5000(S)-MII	S2.LD6000(S)-MII	S2.LD8000(S)-MII	S2.LD9000(S)-MII	S2.LD10000(S)-MII
Max. PV input power (W)	6000	7200	9600	10800	12000
Max. DC voltage (V)	1000	1000	1000	1000	1000
MPP tracker voltage range (V)	160-850	160-850	160-850	160-850	160-850
Start-up DC voltage (V)	180	180	180	180	180
Number of MPP trackers	2	2	2	2	2
Max. DC current per MPPT (A)	11	11	11	11	11
Number of DC connections per MPPT	1	1	1	1	1
DC connection type	MC4	MC4	MC4	MC4	MC4
Turn on power (W)	10	10	10	10	10

# OUTPUT CHARACTERISTICS

AC connection	Plug-in	Plug-in	Plug-in	Plug-in	Plug-in
Power connection	3-phase	3-phase	3-phase	3-phase	3-phase
Rated AC power (W)	5000	6000	8000	9000	10000
Max. AC power (W)	5500	6600	8800	9900	11000
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)	7.2	8.7	11.5	13.0	14.4
Max. AC current (A)	8.4	10.0	13.4	14.2	16.7
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	< 1.5%	< 1.5%	< 1.5%	< 1.5%	< 1.5%
Power consumption during night (W)	< 1	< 1	< 1	< 1	< 1
Power consumption during stand-by (W)	6	6	6	6	6
DC current injection (mA)	< 20	< 20	< 20	< 20	< 50

# EFFICIENCY

Max. efficiency	98.3 - 98.7%
Euro efficiency	97.8 - 98.1%
MPPT efficiency	>99.5%

# OTHER CHARACTERISTICS

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

# PROTECTION

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

