


UX series solar inverters


autarco


The Autarco UX 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 Insured 10-year product warranty

 Compact, lightweight

 Max efficiency of 99%

 High speed MPPT algorithm

 Integrated arc fault protection



Quality certificates

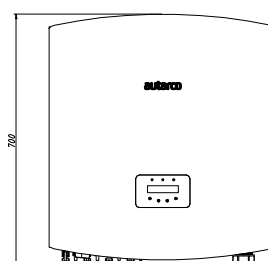
- EN50438, VDE0126-1-1, G59/3, NB/T32004, AS4777, IEC61727
- IEC62109-1-2, AS3100, EN61000-6-1, EN62109
- VDE4105, CE, Solarif



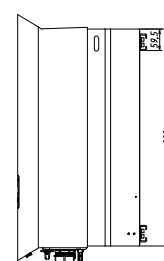
General characteristics

Dimensions (W x H x D)	630 x 700 x 357mm
Mounting	Wall bracket
Max. site altitude	4000m
IP protection class	IP65 according IEC 60529
Isolation type	Transformerless
Cooling principle	Convection with smart fan-cooling
Noise level, typical	< 30dBA, <50dBA with cooling fan
LED indicators	3
LCD display	20 x 2 characters
Communication interfaces	1xRS485, 2xRJ45, 2xTerminal
Optional interfaces	RS232, RJ45, GPRS
DC switch	Integrated (optionally excluded)

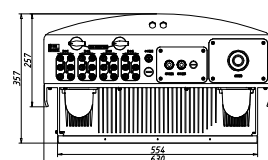
Front



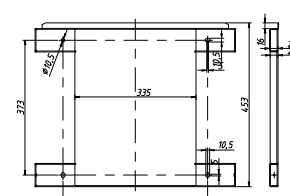
Side



Bottom



Bracket



Input characteristics

	S2.UX40000(S)	S2.UX50000(S)	S2.UX60000(S)	S2.UX70000(S)-HV
Max. PV input power (W)	48000	60000	72000	84000
Max. DC voltage (V)	1100	1100	1100	1100
MPP tracker voltage range (V)	200-1000	200-1000	200-1000	200-1000
Start-up DC voltage (V)	200	200	200	200
Number of MPP trackers	4	4	4	4
Max. DC current per MPPT (A)	22	28.5	28.5	28.5
Number of DC connections per MPPT	2	3	3	3
DC connection type	MC4	MC4	MC4	MC4
Turn on power (W)	10	10	10	10

Output characteristics

AC connection	380 / 400 VAC	380 / 400 VAC	380 / 400 VAC	540 VAC
Power connection	3-phase	3-phase	3-phase	3-phase
Rated AC power (W)	40000	50000	60000	70000
Max. AC power (W)	44000	55000	66000	77000
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)	58.0	72.2	86.6	84.2
Max. AC current (A)	66.9	83.3	100.0	92.6
Power factor	0.8...1...0.8	0.8...1...0.8	0.8...1...0.8	0.8...1...0.8
Harmonic distortion (%)	< 2	< 2	< 3	< 3
Cooling principle	Convection	Cooling fan	Cooling fan	Cooling fan
DC injection current (mA)	< 50	< 50	< 50	< 50
Weight (kg)	61	63	63	63

Efficiency

Max. efficiency	98.8% - 99.00%
Euro efficiency	98.4% - 98.50%
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

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.

