



## Introducing UniLynx Outdoor Inverter Range with Display

**Single phase – 1.8, 3.6 and 5.4 kW**

The UniLynx outdoor inverter with display combines all the characteristics of the IP 54 inverter with the user-friendliness of a display. It has all the well known features of the UniLynx inverters such as; one to three string input, Master/slave auto-detection and Ride Through. Naturally it is an international inverter, certified and easy to install in 16 countries. It comes in three sizes of 1.8, 3.6 and 5.4 kW and two voltage levels.



	ULX 1800	ULX 3600	ULX 5400
<b>Specification:</b>			
Nominal Power DC	1800 W	3600 W	5400 W
Max Power DC	1950 W	3900 W	5850 W
Nominal Power AC	1650 W	3300 W	4600/5000 W
Max AC Power	1800 W	3600 W	5000/5400 W
Max efficiency	93.70 %	94.20 %	94.30 %
Euro efficiency	91.60 %	93.40 %	93.40 %
Power factor	0.97 at > 20 % load	0.97 at > 20 % load	0.97 at > 20 % load
Turn on power	20 W	20 W	20 W
Standby consumption	8 W	8 W	8 W
Night consumption	< 0.2 W	< 0.2 W	< 0.2 W
<b>Voltages:</b>			
Nominal Voltage DC MV	310 V	310 V	310 V
Nominal Voltage DC HV	430 V	430 V	430 V
MPP voltage MV	125-350 V	123-350 V	125-350 V
MPP voltage HV	250-500 V	250-500 V	250-500 V
MAX DC voltage MV Individual/Parallel	450/410 V	450/410 V	450/410 V
MAX DC voltage HV Individual/Parallel	600/550 V	600/550 V	600/550 V
Turn off voltage DC MV	100 V	100 V	100 V
Turn off voltage DC HV	200 V	200 V	200 V
AC voltage range	230 ± 15% V	230 ± 15 % V	230 ± 15 % V
AC frequency range	50 ± 5 Hz	50 ± 5 Hz	50 ± 5 Hz
<b>Currents:</b>			
Max current DC MV	10 A	20 A	30 A
Max current DC HV	7 A	14 A	21 A
Nominal current AC	6.5 A	13 A	19/22 A
Max current AC	8 A	15.5 A	23 A
Distortion (THD%)	< 5 %	< 5 %	< 5 %
<b>Other:</b>			
Dimensions (L,W,H)	511x395x195.5 mm	640x395x195.5 mm/	769x395x195.5 mm
Weight	16 kg	23 kg	27 kg
Acoustic Noise level	55 dB(A)	55 dB(A)	55 dB(A)
Operation temperature range	-25 - - +60 °C	-25 - - +60 °C	-25 - - +60 °C
MPP efficiency	99.9 %	99.9 %	99.9 %
Overload operation	Change of operating point	Change of operating point	Change of operating point
Grid surveillance	U/f window & impedance monitoring	U/f window & impedance monitoring	U/f window & impedance monitoring
Mounting recommendation	Wall bracket	Wall bracket	Wall bracket
IP	IP 54	IP 54	IP 54
Isolation monitoring	included	included	included
<b>Standard:</b>			
Serial Communication	RS485	RS485	RS485
Display	Display	Display	Display
<b>Options:</b>			
DC switch	DC switch	DC switch	DC switch
Parallel string operation	Parallel string operation /Autodetection	Parallel string operation /Autodetection	Parallel string operation /Autodetection
<b>Normative references:</b>			
Directive LVD	73 / 23 / EC	73 / 23 / EC	73 / 23 / EC
Directive EMC	2004 / 108 / EC	2004 / 108 / EC	2004 / 108 / EC
Safety	EN 50178	EN 50178	EN 50178
EMC immunity	EN 61000-6-1	EN 61000-6-1	EN 61000-6-1
	EN 61000-6-2	EN 61000-6-2	EN 61000-6-2
	EN 61000-4-13, -14, -28	EN 61000-4-13, -14, -28	EN 61000-4-13, -14, -28
	EN 60146-1	EN 60146-1	EN 60146-1
EMC emission	EN 61000-6-3	EN 61000-6-3	EN 61000-6-3
	EN 61000-6-4	EN 61000-6-4	EN 61000-6-4
Utility Interference	EN 61000-3-2, -3	EN 61000-3-2, -3	EN 61000-3-11, -12
Functional safety, Anti-islanding	DIN VDE 0126-1-1	DIN VDE 0126-1-1	DIN VDE 0126-1-1
CE	Yes	Yes	Yes
Utility characteristics	IEC 61727, EN 50160	IEC 61727, EN 50160	IEC 61727, EN 50160
Italy	DK5940	DK5940	DK5940
Spain	RD1663	RD1663	RD1663

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