

TripleLynx Pro for residential applications

Take advantage of our latest addition to the TripleLynx inverter series. The 8 kW inverter is tailored for residential applications. At a weight of only 35 kg the TLX 8k inverter is light and easy to install while the TLX Pro 8k also offers an integrated web server and Ethernet communication.

A large, light blue circle is centered over the image, containing the text '8 kW'.

8 kW

Three phase string inverter

TripleLynx Pro 8 kW – Perfect for residential applications.

Data sheet

	TLX Pro 8k	TLX Pro 10k	TLX Pro 12.5k	TLX Pro 15k
Specification:				
Nominal power DC	8250 W	10300 W	12900 W	15500 W
Max recommended PV power at STC ¹⁾	9500 Wp	11800 Wp	14700 Wp	17700 Wp
Nominal power AC	8000 W	10000 W	12500 W	15000 W
Max power AC	8000 W	10000 W	12500 W	15000 W
Max efficiency	97.8 %	98 %	98 %	98 %
Euro efficiency	97 %	97 %	97.3 %	97.4 %
Night consumption	< 5 W	< 5 W	< 5 W	< 5 W

Voltages:				
Max voltage DC	1000 V	1000 V	1000 V	1000 V
Nominal voltage DC	700 V	700 V	700 V	700 V
MPP voltage range – nominal power ²⁾	345-800 V	430-800 V	358-800 V	430-800 V
AC Voltage range	3x230 V ± 20 %	3x230 V ± 20 %	3x230 V ± 20 %	3x230 V ± 20 %
Grid frequency	50 ± 5 Hz	50 ± 5 Hz	50 ± 5 Hz	50 ± 5 Hz

Currents:				
Max current DC	2 x 12 (24) A	2 x 12 (24) A	3 x 12 (36) A	3 x 12 (36) A
Nominal current AC	3 x 12 A	3 x 15 A	3 x 19 A	3 x 22 A
Max current AC	3 x 13.2 A	3 x 15 A	3 x 19 A	3 x 22 A
Distortion (THD %)	< 4%	< 5%	< 5%	< 5%

Other:				
Dimensions (L,W,H)	700x525x250 mm	700x525x250 mm	700x525x250 mm	700x525x250 mm
Weight	35 kg	35 kg	35 kg	35 kg
Acoustic Noise level	56 dB(A)	56 dB(A)	56 dB(A)	56 dB(A)
Operation temperature range	-25..60°C (>45°C derating)	-25..60°C (>45°C derating)	-25..60°C (>45°C derating)	-25..60°C (>45°C derating)
MPPT efficiency (static)	99.9 %	99.9 %	99.9 %	99.9 %
MPPT efficiency (dynamic)	99.8 %	99.8 %	99.8 %	99.8 %
Overload operation	Change of operating point	Change of operating point	Change of operating point	Change of operating point
Grid surveillance	Three phase monitoring	Three phase monitoring	Three phase monitoring	Three phase monitoring
IP	IP 54	IP 54	IP 54	IP 54
Isolation monitoring	Value country dependent	Value country dependent	Value country dependent	Value country dependent

Standard:				
Master inverter	Yes	Yes	Yes	Yes
Monitoring	Web server	Web server	Web server	Web server
Grid management	PLA	PLA	PLA	PLA
Communication	Ethernet	Ethernet	Ethernet	Ethernet
	RS485	RS485	RS485	RS485
Potential free contact	x 1	x 1	x 1	x 1
Sensor input	x 2 (temperature, irradiation)	x 2 (temperature, irradiation)	x 2 (temperature, irradiation)	x 2 (temperature, irradiation)
Energy meter	S0 input	S0 input	S0 input	S0 input

Options:				
Modem	GSM	GSM	GSM	GSM
Grid Management		Reactive power	Reactive power	Reactive power

¹⁾ For fixed systems with semi optimal conditions.

²⁾ At identical input voltages. At unequal input voltages $V_{mpp, min}$ lies between 250-430 V depending on total input power.

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