



	TLX Pro 10k	TLX Pro 12.5k	TLX Pro 15k
<b>Specification:</b>			
Max power DC	10300 W	12900 W	15500 W
Max recommended PV power at STC <sup>1)</sup>	11800 Wp	14700 Wp	17700 Wp
Nominal power AC	10000 W	12500 W	15000 W
Max power AC	10000 W	12500 W	15000 W
Max efficiency	98%	98%	98%
Euro efficiency	≥ 97%	≥ 97%	≥ 97%
Night consumption	< 5 W	< 5 W	< 5 W
<b>Voltages:</b>			
Max voltage DC	1000 V	1000 V	1000 V
Nominal voltage DC	700 V	700 V	700 V
MPP voltage range – nominal power <sup>2)</sup>	430-800 V	430-800 V	430-800 V
AC Voltage range	3 x 230 V ± 20%	3 x 230 V ± 20%	3 x 230 V ± 20%
Grid frequency	50 ± 5 Hz	50 ± 5 Hz	50 ± 5 Hz
<b>Currents:</b>			
Max current DC	2 x 12 (24) A	3 x 12 (36) A	3 x 12 (36) A
Nominal current AC	3 x 15 A	3 x 19 A	3 x 22 A
Max current AC	3 x 15 A	3 x 19 A	3 x 22 A
Distortion (THD%)	< 5%	< 5%	< 5%
<b>Other:</b>			
Dimensions (L,W,H)	700 x 525 x 250 mm	700 x 525 x 250 mm	700 x 525 x 250 mm
Weight	35 kg	35 kg	35 kg
Acoustic Noise level	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)
MPPT efficiency (static)	99.9%	99.9%	99.9%
MPPT efficiency (dynamic)	99.6%	99.6%	99.6%
Overload operation	Change of operating point	Change of operating point	Change of operating point
Grid surveillance	Three phase monitoring	Three phase monitoring	Three phase monitoring
IP	IP 54	IP 54	IP 54
Isolation monitoring	value country dependent	value country dependent	value country dependent
<b>Standard:</b>			
Master inverter	Yes	Yes	Yes
Monitoring	Web server	Web server	Web server
Grid management	PLA	PLA	PLA
Communication	Ethernet RS485	Ethernet RS485	Ethernet RS485
Potential free contact	x 1	x 1	x 1
Sensor input	x 2 (temperature, irradiation)	x 2 (temperature, irradiation)	x 2 (temperature, irradiation)
Energy meter	S0 input	S0 input	S0 input
<b>Options:</b>			
Modem	GSM	GSM	GSM
Grid Management	Reactive power	Reactive power	Reactive power

<sup>1)</sup> For fixed systems with semi optimal conditions.

<sup>2)</sup> 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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