

# Three-Phase String Inverters 15 kW to 20 kW

> Residential, Commercial, Solar Inverters



## Eversol TLC Series

TLC 15K / 17K / 20K

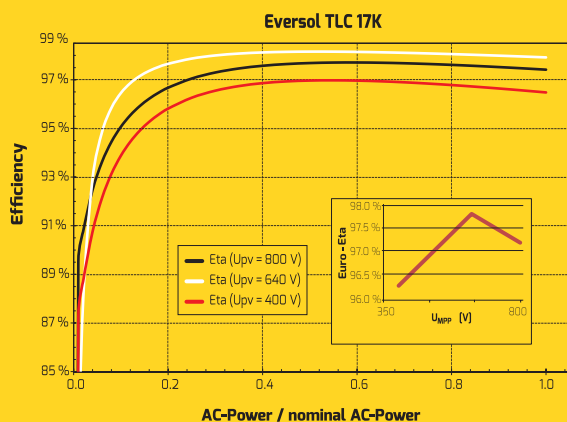
### Introduction

We believe that the world would be a better place if everybody had easy access to the cleanest energy. By creating simple, easy to use, affordable and reliable inverters we are revolutionizing access to solar power for businesses and large scale PV developers. Ideal for small and large commercial scale PV plants, our Eversol TLC three phase inverter.

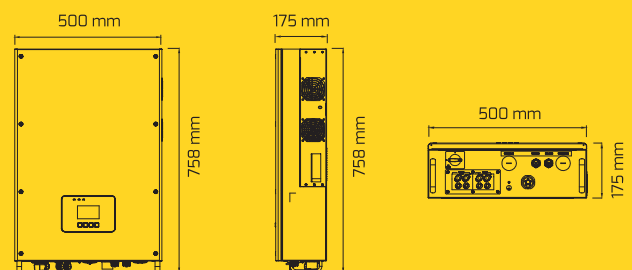
### Features

- Efficiency 98.3 %
- Max. input voltage 1000 V
- Graphical display
- Multiple Maximum Powerpoint Tracking
- IP65 protection class
- RS485 and Modbus RTU communications
- Grid management functions via ZeverCom, ZeverCom Wi-Fi or ZeverManager
- Easy handling for installation and maintenance

### Conversion efficiency



### Dimensions



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# Three-Phase String Inverters 15 kW to 20 kW

Technical data	Eversol TLC 15K	Eversol TLC 17K	Eversol TLC 20K
<b>Input (DC)</b>			
Max. PV array power	19500 Wp STC	22100 Wp STC	26000 Wp STC
Max. input voltage	1000 V		
MPP voltage range / rated input voltage	270 V to 950 V / 640 V		
Min. input voltage	250 V		
Initial feed-in voltage	300 V		
Max. operating input current per MPPT input A / input B	22 A / 22 A		
Max. input current per string input A / input B	11 A / 11 A		
Number of independent MPPT inputs / strings per MPPT input	2 / A: 2; B: 2		
<b>Output (AC)</b>			
Rated power	15000 W	17000 W	20000 W
Max. apparent AC power	16500 VA	18700 VA	20000 VA
AC nominal voltage	220 V / 380 V 230 V / 400 V 240 V / 415 V		
AC voltage range	160 V to 300 V		
AC grid frequency / range	50 Hz / 45 Hz to 55 Hz 60 Hz / 55 Hz to 65 Hz		
Rated power frequency / rated grid voltage	50 Hz / 230 V		
Max. output current / rated output current	3 x 24 A / 3 x 21.8 A	3 x 25.8 A / 3 x 24.7 A	3 x 30 A / 3 x 29.0 A
Power factor at rated power / adjustable displacement power factor	1 / 0.85 overexcited to 0.85 underexcited		
Feed-in phases / AC connection	3 / 3-N-PE		
Harmonic distortion (THD) at rated output	< 3 %		
<b>Efficiency</b>			
Max. efficiency / European efficiency	98.3 % / 97.9 %		
<b>Protective devices</b>			
Input-side disconnection device	•		
Ground fault monitoring / grid monitoring	• / •		
DC reverse polarity protection / AC short circuit current capability	• / •		
All-pole sensitive residual-current monitoring unit	•		
Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)	I / AC : III ; DC : II		
<b>General data</b>			
Dimensions (W / H / D)	500 / 758 / 175 mm		
Weight	43 kg		
Operating temperature range	-25 °C to +60 °C		
Noise emission (typical)	< 60 dB(A)		
Self-consumption (at night)	< 1 W		
Topology	Transformerless		
Cooling concept	Fan cooling		
Degree of protection (according to IEC 60529)	IP55 (fans), IP65 (others)		
Climatic category (according to IEC 60721-3-4)	4K4H		
Max. permissible value for relative humidity (non-condensing)	100 %		
Max. operating altitude	2000 m		
<b>Features</b>			
DC connection	SUNCLIX		
AC connection	Plug-in connector		
Mounting type	Wall mounting bracket		
Display	Graphical LCD		
LED Indicators (Status / Fault / Communication)	•		
Interface: RS485 / WLAN & Ethernet	• / -		
Data interfaces: Zevsolar Modbus	•		
Certificates and approvals (more available on request)	CE, IEC 62109-1/2, VDE-ARN 4105, VDE 0126-1-1, C10/11:2012, UTE C15-712-1, EN50438:2013, NEN EN 50438, G59/3, RD 1699/413, IEC 60068, IEC 61727, IEC 62116, NB/T32004-2013		
Type designation	Eversol TLC 15K	Eversol TLC 17K	Eversol TLC 20K

• standard ◦ optional - not available

As of December, 2018 / Technical data is subject to revisions.