

Single-Phase String Inverters 1 kW to 3 kW

> Residential, Solar Inverters



Eversol TL Series TL1000/1500/2000/3000

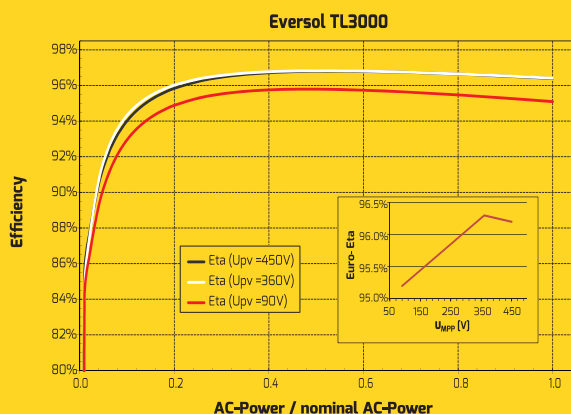
Introduction

We believe that the world would be a better place if everybody had easy access to the cleanest energy from the roof of their homes. By creating simple, easy to use, affordable and reliable inverters we are revolutionizing access to solar power and bringing energy to everybody. Ideal for residential applications, our Eversol TL single phase inverter with simple feed in power and monitoring functions takes the revolution from the streets to the rooftop of your home.

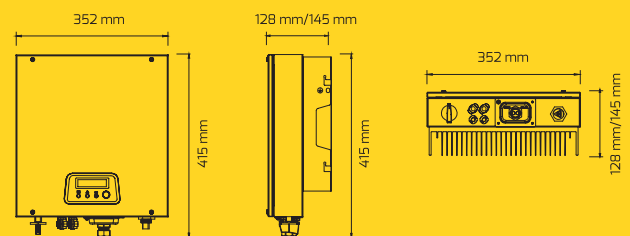
Features

- Efficiency 97%
- Maximum Powerpoint Tracking
- IP65 Protection Class
- RS485 communications
- Online web monitoring via our PMU residential (optional Wifi)
- Grid Management Functions via our PMU residential
- Easy handling for installation and maintenance

Conversion efficiency



Technical data



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Technical data	Eversol TL1000	Eversol TL1500	Eversol TL2000	Eversol TL3000
Input (DC)				
Recommended max. PV array power (@cos=1) ¹⁾	1680W	2520W	3080W	4480W
DC Convertible power (@cos=1)	1200W	1800W	2200W	3200W
Suggested PV power ratio ¹⁾	80-140%			
Max. Input Voltage	500V			
MPP Voltage range/rated input voltage	90-450V/360V			
Min. Start voltage	80V			
Min. Feed-in power	10W			
Max. Input current per MPPT	12A	12A	12A	18A
Number of MPPTs	1	1	1	1
Number of independent MPP inputs	1	1	1	2
Output (AC)				
Rated active power**	1000W	1500W	2000W	3000W
Max. Apparent AC power	1100VA	1650VA	2140VA	3190VA
Nominal AC voltage/range	220,230,240V/180-280V			
AC power frequency/range	50/+5Hz	50,60/+5Hz		
Rated power frequency/rated grid voltage	50Hz/230V	50Hz/230V		
Max. Output current	5.5A	9A	11A	16A
Power factor (@rated power)	1	1	1	1
Adjustable displacement power factor ²⁾	NA	0.95 inductive ... 0.95 capacitive		
Feed-in phases/connection phases	1/1	1/1		
Harmonic distortion (THD) at rated output	< 3%	< 2%		
Efficiency				
Max. Efficiency/European weighted efficiency	95.7%/95%	97%/96.5%		
MPPT Efficiency	99.50%	99.50%		
Protective devices				
DC Isolator	Optional			
PV Iso/Grid monitoring	Yes/Yes			
DC reverse polarity protection/AC short-circuit current capability/galvanically isolated	Yes/Yes/-			
GFCI function	Yes			
Protection class (according to IEC 62103)/overvoltage category (according to IEC 60664-1)	I/II (DC), III (AC)			
General data				
Dimensions (W/H/D)	352 x 415 x 128mm			352 x 415 x 145mm
Weight	11.5Kg			14Kg
Operating temperature range	-25°C...+60°C/13°F...+140°F			
Max. Operating altitude	2000m			
Noise emission (typical)	< 20 dB(A)@1m			
Self-consumption (night)	< 1W			
Standby power (rated voltage)	6W			
Topology	Transformerless			
Cooling concept	Convection			
Degree of protection (according to IEC 60529)	IP65			
Climatic category (according to IEC 60721-3-4)	4K4H			
Installation	Indoor&Outdoor			
Mounting information	Wall mounting bracket			
Relative humidity (non-condensing)	0%~100%			
Features				
DC connection technology	SUNCLIX			
AC connection technology	Plug-in			
Interface: RS485/Ethernet/WIFI	Yes/-/			
Certificates and approvals (more available on request)	G83/2, CE, IEC62109-1, IEC62109-2, NEN50438	CE, IEC62109-1, IEC62109-2, A5/NZ53100, VDE-AR-N 4105, A54777.2, A54777.3, C10/11, UTEC 15-712-1, NEN50438, G83/2, EN50438, VDE0126-1-1/A1:2012, VDE0126-1-1:2013		

1) Recommended value/range by ZEVERSOLAR for units under various conditions.

It is mandatory to verify and consider the local environmental factors for the system design. Detailed configuration values for individual locations can be obtained from the ZEVERSOLAR planning tool www.zeverplan.com. Alternatively contact your local ZEVERSOLAR provider for assistance.

2) Will be preset based on the different region safety requirements

** Within the scope of the EEG law an active power limitation according to current national EEG is preset, which can be adjusted at any time when connected to a Power Monitoring Unit. (For Germany only)

As of January, 2015 / Technical data is subject to revisions.