

Single-Phase String Inverters 1 kW to 3 kW

> Residential, Solar Inverters



Eversol TL Series

TL1000/1500/2000/3000

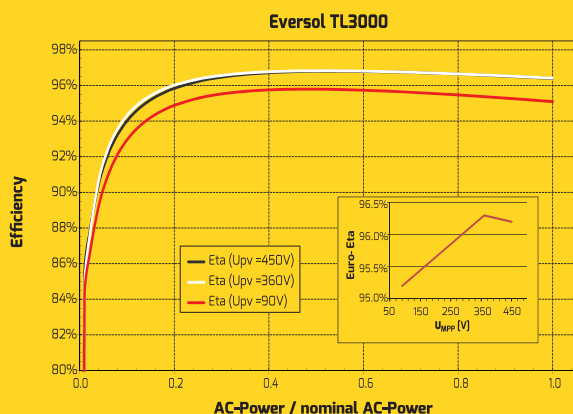
Introduction

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.

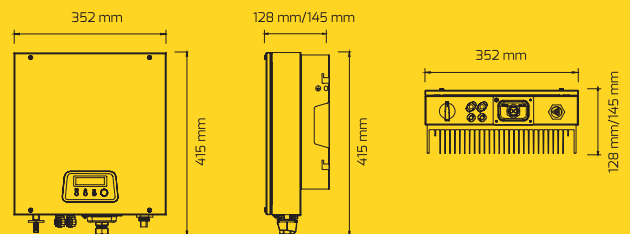
Features

- Efficiency 97%
- Maximum Powerpoint Tracking
- IP65 protection class
- RS485 communications
- Online web monitoring via ZeverCom & ZeverCom WiFi
- Grid management functions via ZeverCom & ZeverCom WiFi
- Easy handling for installation and maintenance

Conversion efficiency



Dimensions



Single-Phase String Inverters 1 kW to 3 kW

Technical data	Eversol TL1000	Eversol TL1500	Eversol TL2000	Eversol TL3000
Input (DC)				
DC convertible power (@cosφ=1)	1150W	1750W	2250W	3350W
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	-	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		◦		
PV iso / Grid monitoring		• / •		
DC reverse polarity protection / AC short-circuit current capability		• / •		
GFCI function		•		
Protection class (according to IEC 62103) / overvoltage category (according to IEC 60664-1)		I / II (DC), III (AC)		
General data				
Interfaces: RS485 / RS485 ¹⁾ & Ethernet & WIFI & a.RJ45 ²⁾ (DRED)		• / -		
Display		16 x 2 characters		
Dimensions (W x H x D)		352 x 415 x 128mm	352 x 415 x 145mm	
Weight		11.5kg	14kg	
Cooling concept		convection		
Noise emission (typical)		< 20 dB(A)@1m		
Installation		indoor & outdoor		
Mounting information		wall mounting bracket		
DC connection technology		SUNCLIX		
AC connection technology		plug-in		
Operating temperature range		-25°C...+60°C / -13°F...+140°F		
Relative humidity (non-condensing)		0% ... 100%		
Max. operating altitude		2000m		
Degree of protection (according to IEC 60529)		IP65		
Climatic category (according to IEC 60721-3-4)		4K4H		
Topology		transformerless		
Self-consumption (night)		< 1W		
Standby power		6W		

• standard ◦ optional - not available

1) For connection to approved smart meters in zero export installations

2) Analog RJ45 interface to DRED in Australia & New Zealand

As of August, 2016 / Technical data is subject to revisions.

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