

Together we can
make a difference.™



Origin4500B 4.5kW Solar System Inverter Specifications

Your Origin4500B system will be supplied with the following inverter:

- 1 x Zegersolar Evershine TL5000-10

Please note the inverter supplied with your solar system is AS4777 accredited.

Please see the following specification sheet for further details and inverter specifications.

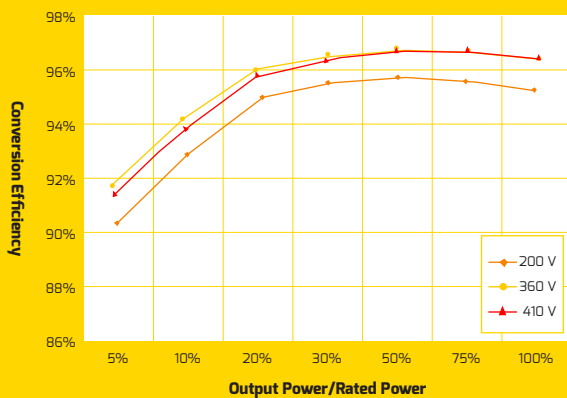
Single-Phase String Inverters 1.5 kW to 5 kW

Our single-phase string inverters are one of the most cost-effective inverters on the market. They perfectly match the needs of most residential applications and offer the maximum energy yield in a wide range of locations and situations around the world, while being easy to use and to install.

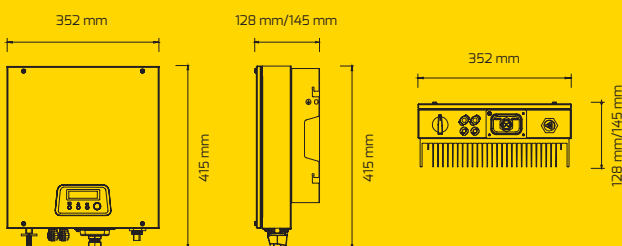
Eversol TL Series



Conversion efficiency



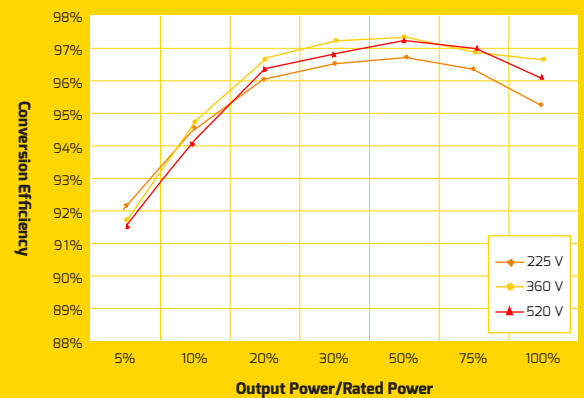
Technical data



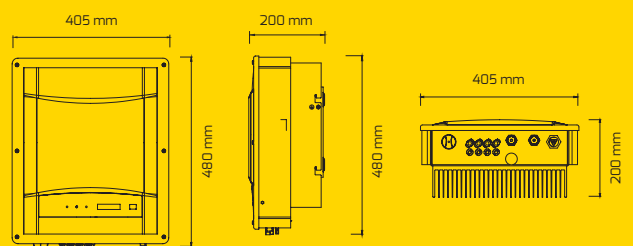
Evershine TL Series



Conversion efficiency



Technical data



Single-Phase String Inverters 1.5 kW to 5 kW

Technical data	Eversol TL1500	Eversol TL2000	Eversol TL3000	Evershine TL3680	Evershine TL5000-10
DC input data					
Max. PV array power [W]	1800	2300	3300	4000	5300
Max. DC voltage [V]	500		600		
Rated input voltage [V]	360				
MPP voltage range [V]	90-450			125-520	
Full load MPP voltage range [V]	150-450	200-450		200-520	225-520
Switch-off DC voltage [V]	70			90	
Start voltage [V]	125			150	
Max. DC current [A]	12		18	15/15	
Max. number of parallel inputs	1		2	2/2	
Number of MPP trackers	1			2	
Switch-on power [W]	10			10	
Output data					
Rated AC power [W]	1500	2000	3000	3680	4600 (GER/AUS)/ 5000 (other)
Max. apparent AC Power [VA]	1650	2000	3000	3680	4600 (GER/AUS)/ 5000 (other)
Rated AC grid voltage [V]*	220,230,240				
Rated AC grid frequency [Hz]*	50			50	50/60
AC voltage range [V]*	180-280			180-280	
AC frequency range [Hz]	According to local codes				
Rated current @ 230 Vac [A]	6.5	8.7	13	16	20 (GER/AUS)/22 (other)
Max. current [A]	9	11	16	16	25
Power factor	> 0.99 (0.95 inductive ... 0.95 capacitive)				
Harmonic distortion (THD) at rated output	< 2%			< 3%	
Power consumption at night [W]	< 1				
Power consumption at standby [W]	6				
MPPT efficiency					
MPPT adaptation efficiency	99.50%			99.90%	
Conversion efficiency					
Max. efficiency	97.00%			97.00%	97.30%
European weighted efficiency (at 360VDC)	96.50%			96.20%	96.50%
Safety equipment					
DC insulation monitoring	Integrated				
Earth fault protection	Integrated				
Mains monitoring	Integrated				
Earth fault current monitoring	Integrated				
DC current monitoring	Integrated				
General data					
Dimensions (WxHxD) [mm]	352 x 415 x 128		352 x 415 x 145	405 x 480 x 200	
Weight [kg]	15.3		15.6	19.3	
Installation environment	Indoor and outdoor				
Mounting information	Wall mounting bracket				
Operating temperature range	-25°C ... +60°C (derating in case of temperatures above 45°C)				
Relative humidity	0% to 100%, no condensation				
IP protection type	IP65 as per IEC60529				
Insulation type	Transformerless				
Cooling concept	Convection				
Noise level	< 15 dB(A)@1m			< 40 dB(A)@1m	
LCD display	Text line, 16 x 2 characters				
Communication interface	RS485				
Software updates interface	-			USB	
Certificates and approvals	VDE0126-1-1, IEC61000-6-2, IEC61000-6-3, IEC61000-3-2, IEC61000-3-3, IEC62109-1, IEC62109-2, AS/NZS3100, VDE-AR-N 4105, AS4777.2, AS4777.3, C10/11, UTEC 15-712-1, NEN50438, G83/2, EN50438			G83/2, IEC62109-1, IEC62109-2, IEC61000-6-2, IEC61000-6-3, IEC61000-3-2, IEC61000-3-3	VDE0126-1-1, IEC61000-6-2, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12, IEC62109-1, IEC62109-2, AS/NZS3100, VDE-AR-N4105, AS4777.2, AS4777.3, C10/11, UTEC15-712-1, NEN50438, G59/3, EN50438

* The data may vary depending on the local grid standards.

As of March, 2014 / Technical data is subject to revisions.