

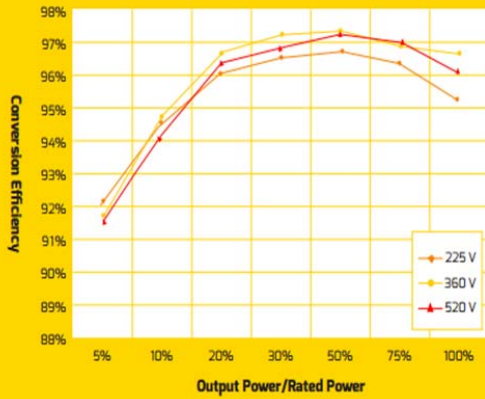
PV INVERTER

Our string inverters are one of the most cost-effective inverters on the market. They perfectly cover the needs of residential and commercial use 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

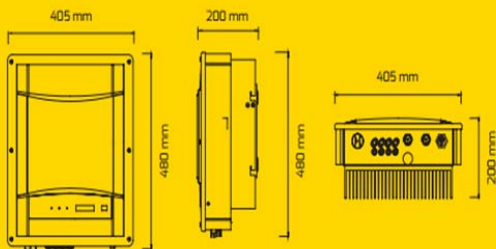
Evershine TL Series



Conversion efficiency



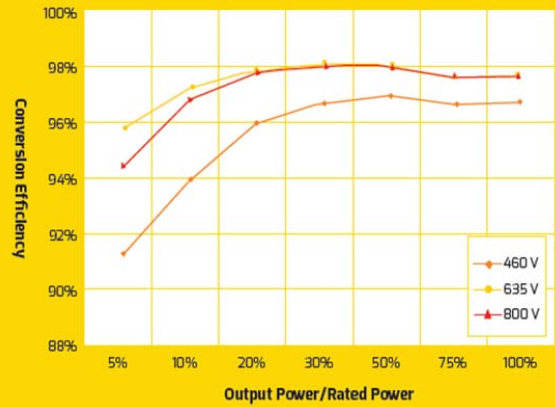
Technical data



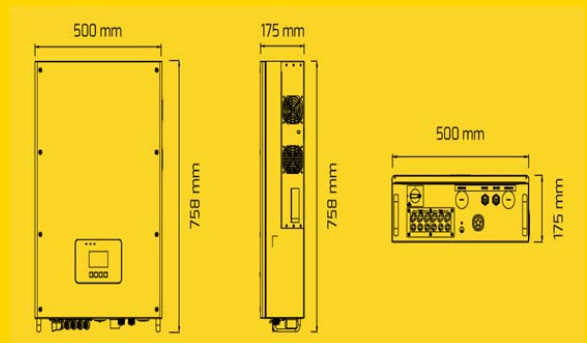
Eversol TLC Series



Conversion efficiency



Technical data



Single-Phase String Inverters

Three-Phase String Inverters

Technical data	Evershine TL5000-10	Eversol TLC15K	Eversol TLC17K	Eversol TLC20K
DC input data				
Max. PV array power [W]	5300	15600	17600	20800
Max. DC voltage [V]	600		900	
Rated input voltage [V]	360		640	
MPP voltage range [V]	125-520		270-800	
Full load MPP voltage range [V]	225-520	340-800	390-800	450-800
Switch-off DC voltage [V]	90		220	
Start voltage [V]	150		300	
Max. DC current(input A/input B) rA1	15/15		22/22	
Max. number of parallel inputs (A/B)	2/2		3/3	
Number of MPP trackers	2		2	
Switch-on power [W]	10		12	
Output data				
Rated AC power [W]	4600 (GER/AUS)/5000 (other)	15000	17000	20000
Max. AC Power [VA]	4600 (GER/AUS)/5000 (other)	15000	17000	20000
Rated AC grid voltage [V]*	220,230,240	3/N/PE220/380,230/400,240/415		
Rated AC grid frequency [Hz]*	50/60	50/60		
AC voltage range [V]*	180-280	160-280		
AC frequency range [Hz]	According to local codes			
Rated current [A]	20 (GER/AUS)/22 (other)	3 x 24	3 x 25.8	3 x 30
Max. output current [A]	25			
Power factor	> 0.99 (0.95 inductive ... 0.95 capacitive)	> 0.99 (0.85 inductive ... 0.85 capacitive)		
Harmonic distortion (IHD) at rated output	< 3%			
Power consumption at night [W]	< 1	< 0.6		
Power consumption at standby [W]	6	< 12		
MPPT efficiency				
MPPT adaptation efficiency	99.90%	99.50%		
Conversion efficiency				
Max. efficiency	97.30%	> 98.00%		
European weighted efficiency	96.50%	97.50%		
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]	405 x 480 x 200	500 x 720 x 175		
Weight [kg]	19.3	48		
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	IP55 (fans), IP65 as per EN60529 (others)		
Insulation type	Transformerless			
Cooling concept	Convection	Fan cooling		
Noise level	< 40 dB(A)@1m	< 60 dB(A)@1m		
LCD display	Text line, 16 x 2 characters	LCD, 240 x 160 pixel		
Communication interface	RS485			
Software updates interface	USB			
Certificates and approvals	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	IEC61000-6-2, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12, IEC62109-1, IEC62109-2, ASINZS3100, VDE-AR-N 4105, VDE0126-1-1, AS4777.2, AS4777.3, C10/11, UTEC 15-712-1, NEN50438, G59/3, EN50438, BDEW 2008, CNCA/CTS0006, CNCA/CTS0004, PEA/MEA Guide		

* The data may vary depending on the local grid standards

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