

Technical Data

Eversolar string solar inverter TL 1500AS 1800AS

Type	Eversol-TL 1500 AS	Eversol-TL 2000 AS
DC input data		
Max. PV-generator power [W]	1800	2300
Max. DC Voltage [V]	450	500
MPPT voltage range [V]	125 - 450	125 - 450
Turn off DC Voltage [V]	125	125
Max. DC current [A]	18	18
Nominal DC current [A]	13.8	16.2
Number of DC connection	1	1
Number of MPP trackers	1	1
DC-connection	MC IV-connector	MC IV-connector
Turn on power [W]	10	10
Output data		
AC Connector	Plug-in connector	Plug-in connector
Power connection	Single phase	Single phase
Rated AC power [W]	1500	2000
Max. AC Power [W]	1650	2000
Grid voltage range	According to AS4777	According to AS4777
Grid frequency range	According to AS4777	According to AS4777
Rated current [A]	6.5	8.7
Max. current [A]	8.25	10
Power factor	0.99	0.99
Harmonic distortion (THD) at rated o	<2%	<2%
Power consumption at night [W]	<0.2	<0.2
Power consumption at standby [W]	6	6
Efficiency		
Max. efficiency	97.1%	97.1%
Euro efficiency (at 360VDC)	96.5%	96.5%
MPPT adaptation efficiency	99.5%	99.5%
Safety equipment		
Internal overvoltage protection	Integrated	Integrated
DC Insulation monitoring	Integrated	Integrated
Earth fault protection	Integrated	Integrated
Mains monitoring	According to AS4777	According to AS4777
Earth fault current monitoring	According to AS4777	According to AS4777
DC current monitoring	According to AS4777	According to AS4777
Islanding protection	AFI(According to AS4777)	AFI(According to AS4777)
Normative reference		
SAA- compliant according to	AS3100, AS4777, IEC 61000-6-3:2006	AS3100, AS4777, IEC 61000-6-3:2006
General data		
Dimensions (WxHxD) [mm]	350X370X138	
Weight [kg]	14	
Housing	Aluminium housing for inside and outside installation	
Mounting information	Wall bracket	
Operating temperature range	-20°C to +60°C (up 45°C derating)	
Relative humidity	0% to 98%, no condensation	
Site altitude	Up to 2000m without derating above sea level	
IP protection type	IP 65 according to IEC 60529	
Isolation type	Transformerless	
Cooling concept	Convection	
Noise level	< 40 dBA	
LED display	3	
LCD display	Backlight, 16 x 2 Character LCD	
Data logger	RS485, Optional(Wireless)	
Data communication interfaces	RS485, Optional(Wireless)	
Computer Communication	RS232	
Standard warranty	5 years	