

Eversolar TL2000AS Inverter Technical Data



DC input data	
Max. PV-generator power [W]	2300
Max. DC Voltage [V]	500
MPPT voltage range [V]	125 - 450
Turn off DC Voltage [V]	125
Max. DC current [A]	18
Nominal DC current [A]	16.2
Number of DC connection	1
Number of MPP trackers	1
DC-connection	MC IV-connector
Turn on power [W]	10
Output data	
AC Connector	Plug-in connector
Power connection	Single phase
Rated AC power [W]	2000
Max. AC Power [W]	2000
Grid voltage range	According to AS4777
Grid frequency range	According to AS4777
Rated current [A]	8.3
Max. current [A]	10
Power factor	0.99
Harmonic distortion (THD) at rated output	<2%
Power consumption at night [W]	<0.2
Power consumption at standby [W]	6
Efficiency	
Max. efficiency	97.10%
Euro efficiency (at 360VDC)	96.50%
MPPT adaptation efficiency	99.50%
Safety equipment	
Internal overvoltage protection	Integrated
DC Insulation monitoring	Integrated
Earth fault protection	Integrated
Mains monitoring	According to AS4777
Earth fault current monitoring	According to AS4777
DC current monitoring	According to AS4777
Islanding protection	AFI(According to AS4777)
Normative reference	
SAA- compliant according to	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	<40dBA
LED display	3
LCD display	Backlight, 16 x 2 Character LCD
Data logger/Data communication interfaces	RS485, Optional(Wireless)
Computer Communication	RS232
Standard warranty	5 years