

Macsol-TL1.5K/2K is specially designed for Australian standard AS3100/AS4777 and will be majorly launched in the Australian market. With Max.Conversion Efficiency of up to 97.2%, Macsol-TL1.5K/TL2K stands out in small capacity inverters. With modern appearances and comprehensive protection, it is fully compatible in a family house or residential buildings. Transformerless design makes the inverter smaller, thinner and lighter and more convenient for both installation and maintenance.

- . Standardized design fits Australian Safety Regulations.
- . High MPPT tracing accuracy up to 99.5%
- . IP65 protection, reliable in severe outdoor conditions.
- . Comprehensive safety protections.
- . Multi-language display.
- . Without transformer.
- . Multiple option for communication solutions(RS485, ETHERNET, USB).
- . Light and convenient, installation can be done by a single person.



Type	Macsol-TL1.5K	Macsol-TL2.0K
Input (DC)		
Max.DC Power (W)	1800	2400
Max.DC Voltage (V)	480	
PV-Voltage Range. MPPT(V)	125-480	
Max. Input Current (A)	12	12
Number of DC Connection Sets	1	2
Number of MPP Trackers	1	1
DC Switch	Integrated (Optional)	
Output (AC)		
Rated AC Power (W)	1500	2000
Max. AC Power (W)	1650	2200
Rated AC Current (A)	6.5	8.7
Max. AC Current (A)	8.5	11
Power Factor (cos Φ)	>0.99 (full load)	
AC Current Distortion (THD)	< 3%	
Consumption at Night (W)	<0.8	
Efficiency		
Max. Efficiency	97.20%	97.20%
Euro Efficiency (at 360V _{dc})	96.60%	96.60%
MPPT Accuracy	99.50%	99.50%
Protection		
Internal Overvoltage Protection	Integrated	
DC Insulation Monitoring	Integrated	
DC/AC Side Varistors	Integrated	
Direct Current Monitoring	Integrated	
Ground Fault Current Monitoring	According to AS4777, VDE 0126-1-1, G83, RD1663, ENEL, C10/11	
Grid Monitoring	According to AS4777, VDE 0126-1-1, G83, RD1663, ENEL, C10/11	
Short Current Protection	Integrated	
Thermal Protection	Integrated	
Interface		
DC Connection	H4/MC4 (Optional)	
LCD Display	3.4 inches, 256*160 Pixels, Backlight, Inverter Parameter and Data Display at Night	
Display Language	Multi Language	
Data Logger & Communication	RS485, USB (Optional), GPRS (Optional), Ethernet (Optional)	
Device Data		
Isolation	Without transformer	
Operating Temperature Range	-20°C to +60°C	
Cooling Method	Natural Convection	
Ambient Humidity	0% to 98% Non-condensing	
Noise Emission (dBA)	<40	
IP Protection	IP65	
Dimensions (W*H*D) (mm)	495 * 346 * 160	
Weight (kg)	13.5	
Standard Warranty	5 years	
Safety Class Compliance	AS3100, IEC62109 - 1	
EMC Compliance	EN61000-6-1:4, EN61000-3-2:3, EN61000-11:12	