

## Technical Data

### Eversolar center solar inverter TLC 10K/12K/15K/17K

Type	Eversol-TLC 10K	Eversol-TLC 12K	Eversol-TLC 15K	Eversol-TLC 17K
<b>DC input data</b>				
Max. PV-generator power [W]	10400	12500	15600	17600
Max. DC Voltage [V]	900	900	900	900
MPPT voltage range [V]	250-800	250-800	250-800	250-800
Turn off DC Voltage [V]	245	245	245	245
Max. DC current (input A/input B)[A]	22A/11A	22A/11A	22/22A	22/22A
Nominal DC current [A]	3x12.6	3x15.6	3x15.6	3x15.6
Number of MPP	2	2	2	2
Max.number of Parallel(A/B)	4/1	4/1	3/3	3/3
DC-connection	MC IV Connector			
Turn on power [W]	15	15	15	15
Turn off power [W]	10	10	10	10
<b>Output data</b>				
Power connection	3/N/PE,230/400V			
Rated AC power [W]	10000	12000	15000	17000
Max. AC Power [W]	10000	12000	15000	17000
Grid voltage range	According to G59/2			
Grid frequency range	According to G59/2			
Rated current [A]	16A	19.2A	24A	24.6A
Max. current [A]	16A	19.2A	24A	25.8A
Power factor	>0.97 at 20% load & >0.99 at 100% load			
Harmonic distortion (THD) at rated output	<2%	<2%	<2%	<2%
Power consumption at night [W]	<0.6	<0.6	<0.6	<0.6
Power consumption at standby [W]	<12	<12	<12	<12
<b>Efficiency</b>				
Max. efficiency	>98%	>98%	>98%	>98%
Euro efficiency	>97%	>97.5%	>97%	>97.5%
MPPT adaptation efficiency	99.8%	99.5%	99.8%	99.5%
<b>Safety equipment</b>				
Internal DC voltage Surge protection	Type 3 Integrated			
DC Insulation monitoring	Integrated			
Earth fault protection	Integrated			
ESS DC load-disconnecting switch	Integrated			
Mains monitoring	According to G59/2			
Earth fault current monitoring	According to G59/2			
DC current monitoring	According to G59/2			
Electronic string fuse	Integrated			
DC disconnect switch				
String failure detection	Integrated			
EMC immunity	EN 61000-6-2			
EMC emission	EN 61000-6-4			
Utility interference	EN61000-3-11/12			
<b>Normative reference</b>				
CE- compliant according to	EN 50178, EN 61000-6-2, EN 61000-6-3,			
<b>General data</b>				
Dimensions (WxHxD) [mm]	720*500*175			
Weight [kg]	42	42	42	42
Housing	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 EN 60529			
Isolation type	Transformerless			
Cooling concept	Fan cooling			
Noise level	< 50 dBA			
LED display	3			
LCD display	Backlight, 800X480 Pixel TFT LCD			
Data logger				
Data communication interfaces	Typical(485)/Optional(Wireless)			
Computer communication	USB/RS232			
Standard warranty (option)	5years			