



2500MTL / 3000MTL / 3600TL / 4200MTL / 5000MTL / 6000MTL

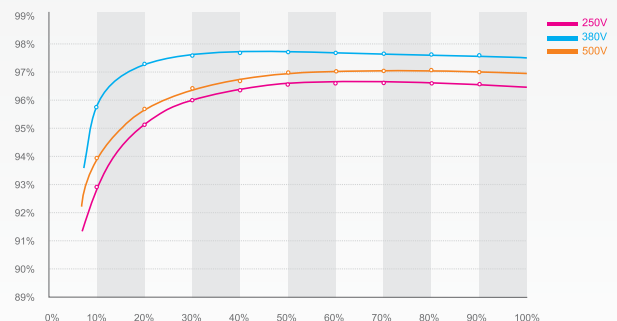
Leading - Edge Technology

- Maximum efficiency of 97.3%
- Wide input voltage range
- Internal DC switch
- Transformerless GT topology
- Compact design
- MTL - string
- Ethernet / RF technology / WiFi
- Comprehensive Solar Leading warranty program
- Sound control
- Easy installation

Europe/Australia ENS

- Simple national setting of line supply monitoring(ENS)
- Easy country configuration
- Multi - language display
- Currently available for Germany, Austria, France, Switzerland, UK, Italy and Spain etc.

3000MTL efficiency



Certificates

TUV, SAA, CE, CQC, AS4777.2/3, AS/NZS 3100, VDE 0126-1-1, EN62109-1/2, G83, G59, CNCA/CTS0004-2009A, CNCA/CTS0006-2010, EN61000-6-1/2/3/4, EN62109-1/2, RD1663, C10-11

Technical data

Model	2500MTL	3000MTL	3600MTL	4200MTL	5000MTL	6000MTL
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Input (DC Side)

Max. DC input power (W)	2900	3500	4100	4800	5800	6900
Max. DC voltage (Vdc)	500	500	600	600	600	600
Start voltage (Vdc)	120	120	120	120	120	150
PV voltage range	90V-500V	90V-500V	90V-600V	90V-600V	90V-600V	100V-600V
DC nominal voltage	90V-500V/360V	90V-500V/360V	90V-600V/360V	90V-600V/360V	90V-600V/360V	175V-550V/360V
Full load dc voltage range	175V-450V	175V-450V	190V-580V	175V-580V	175V-580V	175V-550V
MPPT voltage range	2 / 1	2 / 1	2 / 2	2 / 2	2 / 2	2 / 2
Number of MPP tracker/ strings per MPP tracker	10A / 10A	10A / 10A	15A / 15A	15A / 15A	15A / 15A	18A / 18A
Max. input current of tracker	10A / 10A	10A / 10A	15A / 15A	15A / 15A	15A / 15A	18A / 18A

Output (AC)

Rated AC output power (W)	2500	3000	3600	4200	5000	6000
Max. AC power(W)	2500	3000	3600	4200	5000	6000
Max. output current(A)	12.5	15	18	21	25	30
AC nominal voltage range	220V/230V/240V; 180V-280V					
AC grid frequency range	50,60Hz;±5Hz					
Power factor	1					
THDI	<3%					
AC connection	Single phase					

Efficiency

Max. efficiency	97.5%	97.5%	97.6%	97.9%	97.9%	97.1%
Euro efficiency	97%	97%	97%	97.4%	97.4%	96.5%
MPPT efficiency	99.5%	99.5%	99.5%	99.5%	99.5%	99.5%

General Data

Dimensions (W / H / D)	360*421*152 mm	360*510*188mm	402*510*210mm
Weight	15.6kg	24kg	29.4kg
Operating temperature range	-30℃ ~ +60℃		
Noise emission (typical)	≤25dB(A)		
Self-consumption(night)	< 0.5W		
Topology	Transformerless		
Cooling concept	Natural		
Environmental protection rating	IP 65		
Altitude	2000m without derating		
Relative Humidity	0~100%		

Features

DC connection	H4 / MC4(opt)
AC connection	Screw terminal
Display	LCD
Ethernet/RF/WiFi Interfaces: RS232/RS485/	yes / yes / opt / opt / opt