

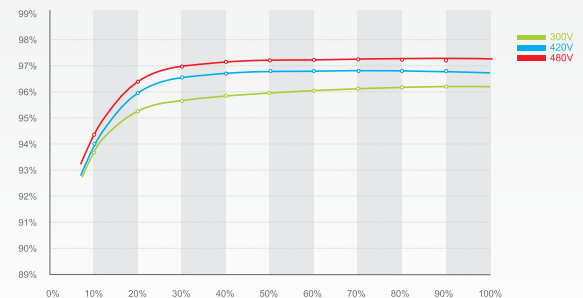


10000TL3-US / 12000TL3-US / 18000TL3-US / 20000TL3-US

Leading - Edge Technology

- Special for commercial plant application
- Dual independent MPP tracking and advanced MPPT algorithms lead to optimal energy harvesting
- Consistent and stable performance across entire input voltage and output power range
- Integrated DC disconnect switch
- High efficiency of 97.5% delivery more energy
- Ethernet / RF technology / WiFi
- Easy installation and maintenance procedure
- Innovative device designed and Intelligent applications
- Comprehensive protection for IGBTs, overvoltage, short-circuit, overload, overheat, etc
- Flexible system design with safety fuse module, lightning protection module and AFCI module

20000TL3-US 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, C10-1

Technical data

Model	10000TL3-US	12000TL3-US	18000TL3-US	20000TL3-US
Input (DC Side)				
Max. DC input power (W)	10500	12500	18750	20850
Max. DC voltage (Vdc)	600	600	600	600
Start voltage (Vdc)	120	120	120	120
DC nominal voltage	375V	375V	375V	375V
PV voltage range	80V-600V	80V-600V	80V-600V	80V-600V
MPP voltage range	250V-600V	250V-600V	250V-600V	250V-600V
Number of MPP tracker/ strings per MPP tracker	2 / 3	2 / 3	2 / 5	2 / 5
Max. input current	32A / 32A	32A / 32A	50A / 50A	50A / 50A
Output (AC)				
Rated AC output power (W)	10000	12000	18000	20000
Rated AC voltage(V)	480	480	480	480
Max. output current	12A	14.5A	21.5A	24A
AC nominal voltage range	422-528VAC			
AC grid frequency range	60HZ; 59.3-60.5Hz			
Power factor	0.9 Leading-0.9 Lagging			
THDI	<3%			
AC connection	3/N/PE, 3W+PE(Opt)			
Efficiency				
Max. efficiency	98%	98%	98%	98%
Euro efficiency	97.5%	97.5%	97.5%	97.5%
MPPT efficiency	99.5%	99.5%	99.5%	99.5%
General Data				
Diemensions (W / H / D)	530*705*247 mm	530*705*247 mm	65*740*247 mm	650*740*247 mm
Weight	46kg	46kg	63kg	63kg
Operating temperature range	-25 °C ~ +60 °C (with derating above 45 °C)			
Noise emission (typical)	≤55dB(A)			
Self-consumption(night)	< 3W			
Standby consumption(night)	12W			
Topology	Transformerless			
Cooling concept	Fan Cool			
Electronics protection rating	NEMA 3R			
Altitude	2000m without derating			
Relative Humidity	0~100%			
Features				
DC connection	Graphic			
Ethernet/RF/WiFi Interfaces: RS232/RS485/	yes / yes / opt / opt / opt			