



10000UE / 12000UE / 18000UE / 20000UE

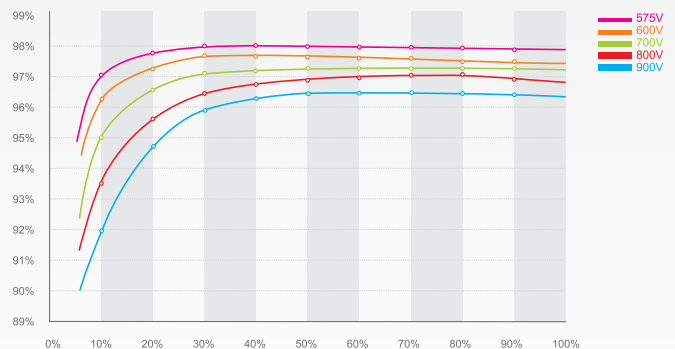
Leading - Edge Technology

- Maximum efficiency of 98%
- DC input voltage up to 1000V
- Internal DC switch
- Transformerless
- Compact design
- MTL MPP controller
- 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.

20000UE 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	10000UE	12000UE	18000UE	20000UE
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Input (DC Side)

Max. DC input power (W)	11000	13200	19800	22000
Max. DC voltage (Vdc)	1000	1000	1000	1000
Start voltage (Vdc)	350	350	350	350
DC nominal voltage	180V-1000V	180V-1000V	180V-1000V	180V-1000V
PV voltage range	300V-1000V/600V	300V-1000V/600V	300V-1000V/600V	300V-1000V/600V
MPP voltage range	400V-800V	400V-800V	400V-800V	400V-800V
Number of MPP tracker/ strings per MPP tracker	2 / 2	2 / 2	2 / 3	2 / 3
Max. input current	15A / 15A	17A / 17A	23A / 23A	26A / 26A

Output (AC)

Rated AC output power (W)	10000	12000	18000	20000
Max. AC apparent power(VA)	10000	12000	18000	20000
Max. output current	16A	19A	28.6A	32A
AC nominal voltage range	230V/400V, 184V-275V			
AC grid frequency range	50-60HZ; 44-55Hz/54-65Hz			
Power factor	1			
Displacement power factor configurable	0~0.8 leading - 0~0.8 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

Dimensions (W / H / D)	490*740*235 mm	490*740*235 mm	570*740*235 mm	570*740*235 mm
Weight	41kg	41kg	60kg	60kg
Operating temperature range	-25 C ~ +60 C (with derating above 45 C)			
Noise emission (typical)	≤55dB(A)			
Self-consumption(night)	< 0.5W			
Standby consumption(night)	12W			
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