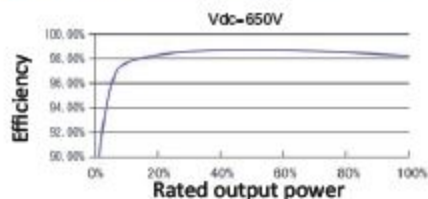


# Central-Transformerless

## ASP-500KTL



### Efficiency Curve



### Features



#### Flexible design

Independent unit modular design, unit can operate individually, improve whole machine availability  
Imported IGBT components, driver is imported from Germany, more stable and reliable  
Film capacitors increase the system life span



#### Efficient conversion

Max. efficiency is 98.7%  
Min. loss PWM modulation arithmetic, reduce switching loss  
High efficient reactor, over capacity design, reduce output loss  
Optimized copper bar structure design, reduce cable loss



#### Grid friendly

Pass new standard NB/T32004-2013 test  
LVRT/ZVRT function to cope with various grid conditions  
Nightly SVG function, respond to grid dispatching instruction all time  
AGC/AVC function, realize active power adjustable range from 0-100%  
Power factor from 0.9 leading to 0.9 lagging



#### More advantages

Open the front door to maintain, easy installation and maintenance  
Dual power supply method, improve system reliability  
Nightly intelligent hibernation technology, reduce self-relative loss  
China Energy Efficiency Rate Certification, CQC Golden Sun Certification, CE Certification, State Grid Certification



### Technical Data

Input	500KTL
Max. DC Input power	550KW
Max. DC Input voltage	1000V
Max. DC Input current	2x550A
MPPT voltage range	500-850V
Recommended MPP operating voltage	650V
No. of MPPT	1

Output	500KW
Rated output power	500KW
Max. output power	550KVA
Max. output current	1000A
Rated grid voltage	315V
Grid voltage range	250-362V/ac
Rated grid frequency	50Hz/60Hz
Grid frequency range	47-51.5Hz/57-61.5Hz
THD	< 2% (Under the rated power)
Power factor	0.9 (leading)-0.9(lagging)
DC current injection	< 0.5% (Under the rated power)

System data	500KTL
Max. efficiency	98.7%
Euro. efficiency	98.3%
Humidity range	0-95% non-condensing
Cooling type	Intelligent air cooling
Temperature range	-25-+55°C
Power consumption at night	< 100W
Max. working altitude	6000m(Operation with derating above 3000m)
Display	Touch screen
Communication interface	RS485/Ethernet

Mechanical data	
Dimensions (WxHxD)	1600x1960x800mm
Weight	1600Kg
Protection class	IP20

Standard	
Grid-connected standard	NB/T32004-2013; GB/T19964-2012
Safety standard	NB/T32004-2013; IEC 62109-1/2
Electromagnetic compatibility	IEC 61000-6-2/4