

ASP-500/630K



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 97.4%
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

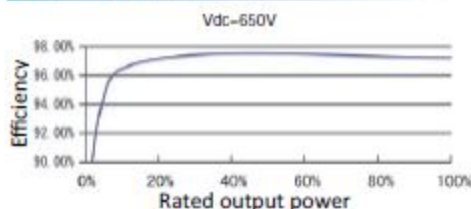


More advantages

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
CQC Golden Sun Certification, CE Certification, State Grid Certification



Efficiency Curve



Technical Data

Input	500K	630K
Max. DC input power	550KW	700KW
Max. DC input voltage	1000V	
Max. DC input current	2x550A	2x700A
MPPT voltage range	500-850V	
Recommended MPP operating voltage	650V	
No. of MPPT	1	

Output	500K	630K
Rated output power	500KW	630KW
Max. output power	550KVA	700KVA
Max. output current	830A	1060A
Rated grid voltage	400V	
Grid voltage range	310~450Vac	
Rated grid frequency	50Hz/60Hz	
Grid frequency range	47~51.5Hz/57~61.5Hz	
THD	< 3% (Under the rated power)	
Power factor	0.9 (leading)~0.9(lagging)	
DC current injection	< 0.5% (Under the rated power)	

System data	500K	630K
Max. efficiency	97.4%(Power frequency transformer)	
Euro. efficiency	96.8%(Power frequency transformer)	
Humidity range	0-95% non-condensing	
Cooling type	Intelligent air cooling	
Temperature range	-25~+55℃	
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)	3200x1960x1100mm	3400x1960x1100mm
Weight	3600Kg	3650Kg
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	