

ASP-30/50K



Features



Flexible design

Modular design, open the front door to maintain, easy installation and maintenance
Multi-language dynamic graphics LCD, can maintain scene in time when in fault



Efficient conversion

Power frequency transformer, max. efficiency is 95.6%/96.3%
High efficiency MPPT control strategy, enhance the energy output
Nightly intelligent hibernation technology, reduce self-relative loss

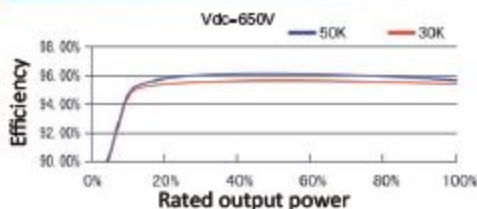


Grid friendly

Optional LVRT/ZVRT function to cope with various grid conditions
AGC/AVC function, realize active power adjustable range from 0-100%
Power factor is from 0.9 leading to 0.9 lagging
Nightly SVG function, respond to grid dispatching instruction all time



Efficiency Curve



Technical Data

Input	30K	50K
Max. DC input power	33KW	55KW
Max. DC input voltage	1000V	
Max. DC input current	73A	122A
MPPT voltage range	450-820V	
Recommended MPP operating voltage	650V	
No. of MPPT	1	
Output		
Rated output power	30KW	50KW
Max. output power	33KVA	55KVA
Max. output current	50A	93A
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	> 0.99 (Under the rated power)	
DC current injection	< 0.5% (Under the rated power)	

System data	30K	50K
Max. efficiency	95.6% (Power frequency transformer)	96.3% (Power frequency transformer)
Euro. efficiency	95% (Power frequency transformer)	95.9% (Power frequency transformer)
Humidity range	0-95% non-condensing	
Cooling type	Intelligent air cooling	
Temperature range	-25~+55°C	
Power consumption at night	< 30W	
Max. working altitude	6000m(Operation with derating above 3000m)	
Display	Touch screen	
Communication interface	RS485/Ethernet	
Mechanical data		
Dimensions (WxHxD)	800x1760x600mm	
Weight	560Kg	640Kg
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	