

On-grid Inverter

ASP-196/225K-EHV



FEATURES



Flexible design

Multi-communication interface: RS485, GPRS(optional), Wifi(optional) DC breaker, easy to maintain and safe to use
Integrated functions of combiner box& DC lightning protection, reduce system cost for users



Efficient conversion

Transformerless,max. efficiency is up to 99.02%; Euro. efficiency is up to 98.51%
Total current THD <3%
Three-level SVPWM control technology, increase DC voltage utilization



Grid friendly

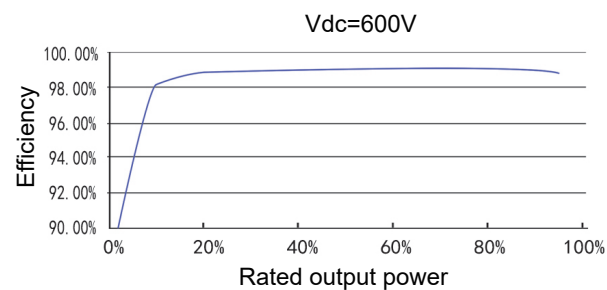
LVRT HVRT function
Adjustable reactive power, power factor from 0.8 leading to 0.8 lagging
Active and passive anti-islanding protection
Continuously adjustable active power (0-100%) function



Excellent qualities

CQC Gold Sun Certification, TUV Certification, SAA Certification, CE Certification

EFFICIENCY CURVE



TECHNICAL DATA

Model Name	196K-EHV	225K-EHV
Input		
Max. DC input power	294KW	337.5KW
Max. DC input voltage	1500V	
Max. DC input current	40A*8	40A*12
MPPT voltage range	500~1500V	
Recommended MPP operating voltage	1080V	
No. of MPPT	8	12
Max. no. of strings per MPPT	2	
Output		
Rated output power	196KW	225KW
Max. output power	216KVA	247.5KVA
Max. output current	155.9A	178.7A
Rated grid voltage	800V	
Grid voltage range	640~920Vac	
Rated grid frequency	50Hz/60Hz	
Grid frequency range	45~55Hz/55~65Hz	
THD	< 3% (Under the rated power)	
Power factor	>0.99(rated power) /0.8 leading ~ 0.8 lagging	
DC current injection	< 0.5% (Under the rated power)	
System data		
Max. efficiency	99.01%	99.02%
Euro. efficiency	98.50%	98.51%
Humidity range	0-100% non-condensing	
Cooling type	Intelligent forced air cooling	
Temperature range	-30~+60 C	
Power consumption at night	≤ 2W	
Max. working altitude	5000m (>4000 derating)	
Display	LED/LCD(optional)	
Communication interface	RS485/Wifi/GPRS(optional)	
Protection		
DC reverse-polarity protection	Yes	
Short circuit protection	Yes	
Output over current protection	Yes	
Output over voltage protection	Yes	
Insulation resistance monitoring	Yes	
Residual current detection	Yes	
Surge protection	Yes	
Grid monitoring	Yes	
Islanding protection	Yes	
Temperature protection	Yes	
Integrated DC switch	Yes	
Mechanical data		
Dimensions (WxHxD)	1008x700x351mm	
Weight	86Kg	96Kg
Protection class	IP66	
Standard		
Grid-connected standard	NB/T 32004-2018; IEC61727	
Safety standard	NB/T 32004-2018; IEC 62109-1/2	
Electromagnetic compatibility	IEC61000-6-2/4	