

WSP-EHV

THREE-PHASE ON-GRID INVERTER

225/320KW



FEATURES

Flexible Design

- Multi-communication interface: RS485, GPRS(optional), Wifi (optional)
- DC breaker, easy to maintain and safe
- 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 <2%
- 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

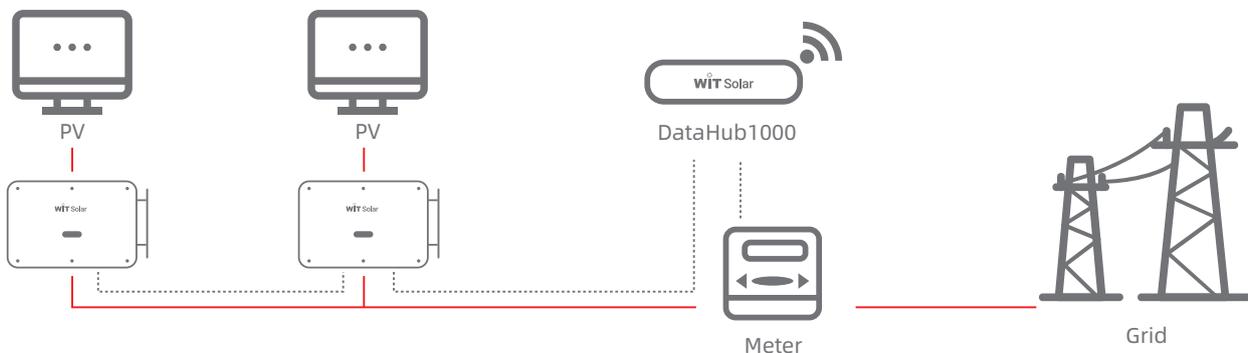
- CQC Gold Sun Certification
- TUV Certification, SAA
- Certification.CE Certification



• BAUART
• GEPRÜFT
• TYPE
• APPROVED



SOLUTION DESIGN



TECHNICAL DATA

Model Name	225K-EHV	320K-EHV
Input		
Max. DC input power	337.5kW	480kW
Max. DC input voltage	1500V	
Max. DC input current	40A*12	40A*12 (Optional:30A*14/30A*16)
MPPT voltage range	50~1500V	
Recommended MPPT operating voltage	1080V	
Starting voltage	550V	
No.Of MPPT	12	12(Optional:14/16)
Max. no. of strings per MPPT	2	
Output		
Rated output power	225kW	320kW
Max. output power	247.5kVA	352kVA
Max. output current	178.7A	254A
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 (Under the rated power) / Adjustable range: 0.8 leading~0.8 lagging	
DC current injection	< 0.5% (Under the rated power)	
System data		
Max. efficiency	99.02%	99.02%
Euro. efficiency	98.51%	98.52%
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	4000m (frequency-decreasing above 4000m)	
Display	LED,Bluetooth+APP(optional:LCD)	
Communication interface	WIFI (optional:RS485 or GPRS)	
Protection		
DC reverse-polarity protection	Yes	
Short circuit protection	Yes	
Output over currentprotection	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 (W*H*D)	1008*700*351mm	1136*870*361mm
Weight	96kg	116kg
Protection class	IP66	
Standard		
Safety standard/EMC standard	NB/T32004-2018,IEC62109,IEC61000,IS16169 & IS16221(BIS)	
Grid-connected standard	IEC61727,EN50549-1,VDE-4105,NRS-097-2-1,OVE-Richtinje R25, UNE217001/2,Ordinance No.140	
Other standard	IEC61683,IEC62116, EN50530, IEC60068	