

On Grid Inverter

☉ 3Phase

AU100/125/136K3P-HV

Advantage

- This series is a three-phase grid-tied PV string inverter (transformer less) that converts the DC power generated by PV strings into AC power and feeds the power into power grid.



Flexible design

Small size, light weight, support manual installation, reduce user installation and maintenance cost



Efficient conversion

Transformerless,max. efficiency is up to 98.9%; Euro. efficiency is up to 98.4% Total current THD <2%



Grid friendly

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



Model	AU100K3P-HV	AU125K3P-HV	AU136K3P-HV
PV Input			
Max. DC input power(kW)	150	187.5	204
Max. DC input voltage(V)		1100	
Max. DC input current(A)		30*10	
Max. short circuit current(A)		37.5*10	
MPPT voltage range		200~1000	
Rated DC input voltage		720	
Number of MPP trackers		10	
Strings per MPP tracker		2	
AC Output			
Rated output power(kW)	100	125	136
Max. output power(kVA)	110	137.5	149.5
Max. output current(A)	127	158.8	172.6
Rated grid voltage(V)		500	
Grid voltage range(V)		422~550	
Rated grid frequency(Hz)		50/60	
Grid frequency range(Hz)		45~55/55~65	
THDi	< 2% (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)		
Efficiency			
Max. efficiency	98.9%	98.9%	98.9%
European efficiency	98.3%	98.4%	98.4%
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	
Others			
Operating temperature range(℃)		-25~+60	
Humidity range		0-100% non-condensing	
Operating altitude(m)		<4000	
Protection degree		IP66	
Power consumption at night(W)		<1	
Display		LED/LCD(optional)	
Communication interface		RS485/Wifi/GPRS(optional)	
Cooling method		Intelligent forced air cooling	
Size(WxHxD mm)		1050x620x333	
Weight(kg)		89	
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		