

# On Grid Inverter

☉ 3Phase

AU80/90/100/110/125K3P

## 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 98.2% Total current THD <2%



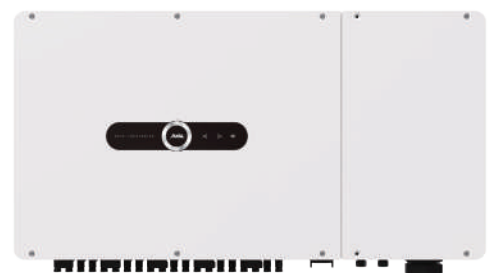
### Grid friendly

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	AU80K3P	AU90K3P	AU100K3P	AU110K3P	AU125K3P
<b>PV Input</b>					
Max. DC input power(kW)	120	135	150	165	187.5
Max. DC input voltage(V)			1100		
Max. DC input current(A)	30*8	30*9	30*10	30*10	30*10
Max. short circuit current (A)	37.5*8	37.5*9	37.5*10	37.5*10	37.5*10
MPPT voltage range(V)			200~1000		
Rated DC input voltage(V)			600		
Number of MPP trackers	8	9	10	10	10
Strings per MPP tracker			2		
<b>AC Output</b>					
Rated output power(kW)	80	90	100	110	125
Max. output power(kVA)	88	99	110	121	137.5
Max. output current(A)	127	142.9	158.8	174.6	199.3
Rated grid voltage(V)			400		
Grid voltage range(V)			310~480		
Rated grid frequency(Hz)			50/60		
Grid frequency range(Hz)			45~55/55~65		
THDi			< 2% (Under the rated power)		
Power factor			0.8 leading ~ 0.8 lagging		
DC current injection			< 0.5% (Under the rated power)		
<b>Efficiency</b>					
Max. efficiency	98.6%	98.6%	98.7%	98.7%	98.9%
European efficiency	98.1%	98.1%	98.1%	98.1%	98.2%
<b>Protection</b>					
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		
<b>Others</b>					
Operating temperature range( C )			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(W×H×D mm)			1050x620x333		
Weight(kg)			89		
<b>Standard</b>					
EN/IEC 62109-1/2, EN/IEC 61000, EN50549,IEC61727/62116/61683					