



On Grid Inverter

☉ 3Phase

AU15/17/20/23/25/28K3P

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 98.8%; 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	AU15K3P	AU17K3P	AU20K3P	AU23K3P	AU25K3P	AU28K3P
PV Input						
Max. DC input power (kW)	22.5	25.5	30	34.5	37.5	42
Max. DC input voltage (V)	1100					
Max. DC input current (A)	18/30		30/30		36/30	36/36
Max. short circuit current (A)	23/37.5		37.5/37.5		45/37.5	45/45
MPPT voltage range(V)	180-1000					
Rated DC input voltage (V)	650					
Number of MPP trackers	2					
Strings per MPP tracker	1/2		2			
AC Output						
Rated output power (kW)	15	17	20	23	25	28
Max. output power (kVA)	16.5	18.7	22	25.3	27.5	30.8
Max. output current (A)	24	28.3	32	36.5	41	45
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)					
Efficiency						
Max. efficiency	98.7%		98.8%			
European efficiency	98.2%					
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 (°C)	-25~+60					
Humidity range	0~100%, non-condensing					
Operating altitude (m)	4000					
Power consumption at night (W)	<1					
Protection degree	IP66					
Display	LED indication / LCD display (Optional)					
Communication interface	Wifi/RS485/GPRS (Optional)					
Cooling method	Intelligent forced air cooling					
Size (W×H×D mm)	427×439×212					
Weight (kg)	18					
Standard						
EN/IEC 62109-1/2, EN/IEC 61000,EN 50549, VDE 4105/0124,INMETRO,IEC61727/62116/61683						