

On Grid Inverter

☉ 1Phase

AU3/4/5/6/8/10K1P

Advantage

☉ This series is a single-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 98.1%; Euro. efficiency is up to 97.6% 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	AU3K1P	AU4K1P	AU5K1P	AU6K1P	AU8K1P	AU10K1P
PV Input						
Max. DC input power(W)	4500	6000	7500	9000	12000	15000
Max. DC input voltage(V)	550					
Max. DC input current(A)	18	18/18	18/18	18/18	20/26	20/30
Max. short circuit current(A)	22.5	22.5/22.5	22.5/22.5	22.5/22.5	25/32.5	25/37.5
MPPT voltage range(V)	80-550					
Rated DC input voltage(V)	360					
Number of MPP trackers	1	2				
Strings per MPP tracker	1				1/2	
AC Output						
Rated output power(W)	3000	4000	5000	6000	8000	10000
Max. output power(VA)	3300	4400	5500	6600	8800	11000
Max. output current(A)	15	20	25	27.3	36.4	45
Rated grid voltage(V)	220/230					
Grid voltage range(V)	160~270 (adjustable)					
Rated grid frequency(Hz)	50/60					
Grid frequency range(Hz)	45~55/55~65					
THDi	<2% (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)					
Efficiency						
Max. efficiency	98%	98.1%	98.1%	98.1%	98.1%	98.1%
European efficiency	97.5%	97.5%	97.5%	97.5%	97.5%	97.6%
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	Optional					
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	Wifi/RS485/GPRS(optional)					
Cooling method	natural				Intelligent forced air cooling	
Size(WxHxD mm)	347x368x167				347x368x190	
Weight(kg)	10				11	
Standard						
EN/IEC 62109-1/2 , EN/IEC 61000, VDE 4105/0124,INMETRO						