



# On Grid Inverter

☉ 3Phase

AU6/8/10/12K3P

## 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 98.7%; 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	AU6K3P	AU8K3P	AU10K3P	AU12K3P
<b>PV Input</b>				
Max. DC input power(W)	9000	12000	15000	18000
Max. DC input voltage (V)			1100	
Max. DC input current (A)			18/18	
Max. short circuit current (A)			23/23	
MPPT voltage range(V)			180-1000	
Rated DC input voltage (V)			650	
Number of MPP trackers			2	
Strings per MPP tracker			1	
<b>AC Output</b>				
Rated output power (W)	6000	8000	10000	12000
Max. output power (kVA)	6600	8800	11000	13200
Max. output current (A)	10	13.3	16.7	20
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	>0.99 (Under the rated power) / Adjustable range: 0.8 leading~0.8 lagging			
DC current injection			<0.5% (Under the rated power)	
<b>Efficiency</b>				
Max. efficiency	98.5%	98.5%	98.6%	98.7%
European efficiency	97.9%	98%	98.2%	98.1%
<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 attitude (m)			<4000	
Protection degree			IP66	
Power consumption at night (W)			<1	
Display			LED indication / LCD display (Optional)	
Communication interface			Wifi/RS485/GPRS	
Cooling method			Intelligent forced air cooling	
Size(WxHxD mm)			427x439x212	
Weight (kg)			15	
<b>Standard</b>				
EN/IEC 62109-1/2,EN/IEC 61000,EN 50549,VDE 4105/0124,IEC61727/62116/61683				