

# On Grid Inverter

☉ 3Phase

AU30/33/36/40K3P

## 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 98.3% 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	AU30K3P	AU33K3P	AU36K3P	AU40K3P
<b>PV Input</b>				
Max. DC input power(kW)	45	49.5	54	60
Max. DC input voltage(V)	1100			
MPPT voltage range(V)	200~1000			
Max. DC input current(A)	36/36/20	36/36/20	30/30/30	36/36/20/20
Max. short circuit current(A)	45/45/25	45/45/25	37.5/37.5/37.5	45/45/25/25
Rated DC input voltage(V)	650			
Number of MPP trackers	3			4
Strings per MPP tracker	2			
<b>AC Output</b>				
Rated output power(kW)	30	33	36	40
Max. output power(kVA)	33	36.3	39.6	44
Max. output current(A)	48	53	56	65
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	98.7%	98.7%	98.8%	98.8%
European efficiency	98.1%	98.2%	98.2%	98.3%
<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 indicator /LCD displayer (optional)			
Communication interface	Wifi/RS485/GPRS(optional)			
Cooling method	Intelligent forced air cooling			
Size ( WxHxD mm)	610x564x218			
Weight(kg)	37			
<b>Standard</b>				
Grid-connected standard	NB/T 32004-2018; IEC61727			
Safety standard	NB/T 32004-2018; IEC 62109-1/2			
Electromagnetic compatibility	IEC61000-6-2/4			