

Three Phase

Austa-3P12K1G Austa-3P15K1G
Austa-3P18K1G

Renewable
energy
for all the world



Product features

- The highest efficiency is 98.5%
- 2 MPPT
- RS232/RS485 Interface
- IP65 Ingress Protection
- High Surge Endurance
- High Power Factor
- Zero Export Function

Wisdom networking

- Remote upgrade software/set parameters
- APP monitoring power station
- Fault diagnosis



Technical Data	Austa-3P12K1G	Austa-3P15K1G	Austa-3P18K1G
Energy source	Grid-connected PV		
Input Side			
Max.DC Input Power(kW)	15.6	18	21.6
Max.DC Input Voltage(V)	1000	1000	1000
Start-up DC Input Voltage(V)	250	250	250
MPPT Operating Range(V)	200-800	200-800	200-800
Max.DC Input Current(A)	13+26	13+26	13+26
Number of MPPT/String per MPPT	2/1+2	2/1+2	2/2+2
OutPut Side			
Rated Output Power(kW)	12	15	18
Max.Active Power(kW)	13.2	16.5	19.8
Rated AC Grid Voltage(V)	380/400	380/400	380/400
AC Grid Voltage Range(V)	277-460	277-460	277-460
Rated Grid Frequency(Hz)	50/60(Optional)	50/60(Optional)	50/60(Optional)
Operating Phase	Three phase	Three phase	Three phase
Rated AC Grid Output Current(A)	17.4	21.8	26.1
Max.AC Output Current(A)	19.14	24	28.71
Output Power Factor	0.8 leading to 0.8 lagging		
Grid Current THD	<3%		
DC Injection Current(mA)	<0.5%		
Grid Frequency Range	47-52 or 57-62(Optional)		
Efficiency			
Max.Efficiency	98.3%	98.5%	98.5%
Euro Efficiency	97.5%	97.5%	97.5%
MPPT Efficiency	>99%	>99%	>99%
Protection			
Anti-islanding Protection	Integrated		
DC Reverse-Polarity Protection	Integrated		
DC Surge Protection	Integrated(Type II)		
AC Surge Protection	Integrated(Type II)		
AC Short Circuit Protection	Integrated		
AC Output Overcurrent Protection	Integrated		
Output Overvoltage Protection	Integrated		
AC Grid Monitoring	Integrated		
Ground Fault Monitoring	Integrated		
Insulation Resistance Protection	Integrated		
Residual Current Monitoring Unit	Integrated		
Temperature Protection	Integrated		
Integrated DC Switch	Optional		
General Data			
Size(mm)	330W*430H*193.5D		
Weight(kg)	17		
Topology	Transformereless		
Internal Consumption	<1W(Night)		
Running Temperature	-25-60°C		
Ingress Protection	IP65		
Noise Emission(Typical)	<30dB		
Cooling Concept	Intelligent cooling		
Max.Operating Altitude Without Derating	2000m		
Designed lifetime	>20years		
Operating Surroundings Humidity	0-100%		
Features			
DC Connection	MC-4 mateable		
AC Connection	IP65 rated plug		
Display	LCD1602		
Interface	RS485/RS232		
Certifications&Standards			
Grid Regulation	IEC61727/62116/60068/61683/EN50549		
Safety Regulation	IEC/EN62109-1/2		
EMC Regulation	IEC/EN61000-6-1/61000-6-3		