

Technical Data	Austa-3P5K1G	Austa-3P6K1G	Austa-3P7K1G	Austa-3P8K1G	Austa-3P10K1G
Energy source	Grid-connected PV				
Input Side					
Max.DC Input Power(kW)	6.5	7.8	9.1	10.4	13
Max.DC Input Voltage(V)	1000	1000	1000	1000	1000
Start-up DC Input Voltage(V)	250	250	250	250	250
MPPT Operating Range(V)	200-800	200-800	200-800	200-800	200-800
Max.DC Input Current(A)	13+13	13+13	13+13	13+13	13+13
Number of MPPT/String per MPPT	2/1	2/1	2/1	2/1	2/1
OutPut Side					
Rated Output Power(kW)	5	6	7	8	10
Max.Active Power(kW)	5.5	6.6	7.7	8.8	11
Rated AC Grid Voltage(V)	380/400	380/400	380/400	380/400	380/400
AC Grid Voltage Range(V)	277-460	277-460	277-460	277-460	277-460
Rated Grid Frequency(Hz)	50/60(Optional)	50/60(Optional)	50/60(Optional)	50/60(Optional)	50/60(Optional)
Operating Phase	Three phase	Three phase	Three phase	Three phase	Three phase
Rated AC Grid Output Current(A)	7.2	8.7	10.1	11.6	14.5
Max.AC Output Current(A)	8	9.57	11.11	12.76	16
Output Power Factor	0.8 leading to 0.8 lagging				
Grid Current THD	<3%	<3%	<3%	<3%	<3%
DC Injection Current(mA)	<0.5%	<0.5%	<0.5%	<0.5%	<0.5%
Grid Frequency Range	47-52/57-62(Optional)				
Efficiency					
Max.Efficiency	98.3%	98.3%	98.3%	98.3%	98.3%
Euro Efficiency	97.5%	97.5%	97.5%	97.5%	97.5%
MPPT Efficiency	>99%	>99%	>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*177D				
Weight(kg)	15				
Topology	Transforemerless				
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				