

Technical Data	Austa-1P3.6K1G	Austa-1P5K1G	Austa-1P6K1G	Austa-1P8K1G
Energy source	Grid-connected PV			
Input Side				
Max.DC Input Power(kW)	4.68	6.5	6.6	8.8
Max.DC Input Voltage(V)	500	500	500	500
Start-up DC Input Voltage(V)	120	120	120	120
MPPT Operating Range(V)	100-500	100-500	100-500	100-500
Max.DC Input Current(A)	13+13	13+13	13+13	13+26
Number of MPPT/String per MPPT	2/1	2/1	2/1	2/1+2
OutPut Side				
Rated Output Power(kW)	3.6	5	6	8
Max.Active Power(kW)	4	5.5	6.6	8.8
Rated AC Grid Voltage(V)	230	230	230	230
AC Grid Voltage Range(V)	180-300	180-300	180-300	180-300
Rated Grid Frequency(Hz)	50/60(Optional)	50/60(Optional)	50/60(Optional)	50/60(Optional)
Operating Phase	Single phase	Single phase	Single phase	Single phase
Rated AC Grid Output Current(A)	16	22	26	35
Max.AC Output Current(A)	18	24	29	39
Output Power Factor	0.8leading to 0.8 lagging			
Grid Current THD	<3%	<3%	<3%	<3%
DC Injection Current(mA)	<0.5%	<0.5%	<0.5%	<0.5%
Grid Frequency Range	47-52/57-62(Optional)	47-52/57-62(Optional)	47-52/57-62(Optional)	47-52/57-62(Optional)
Efficiency				
Max.Efficiency	97.3%	97.5%	97.5%	97.7%
Euro Efficiency	97.1%	97.3%	97.3%	97.5%
MPPT Efficiency	>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*310H*172D			
Weight(kg)	11			
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/INMETRO (ABNTNBR16149/16150)	IEC61727/62116/60068/61683	IEC61727/62116/60068/61683	INMETRO(ABNTNBR16149/16150) /IEC62116
Safety Regulation	IEC/EN62109-1/2			/
EMC Regulation	IEC/EN61000-6-1/61000-6-3			/