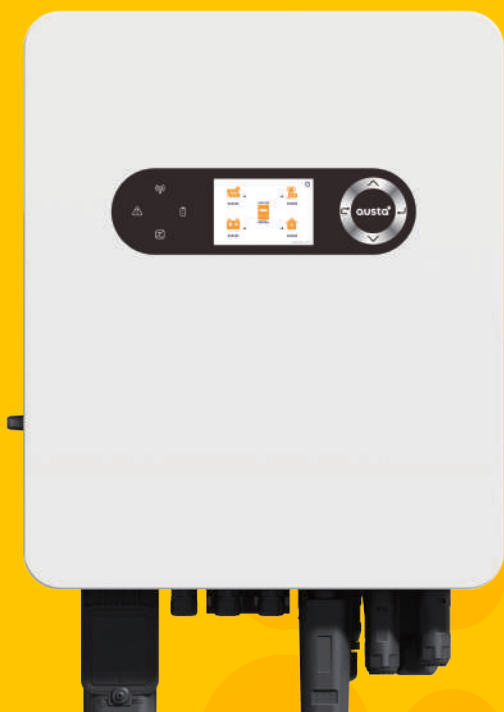


# austa<sup>o</sup>

## Hybrid Inverter Low Voltage-single phase

AU3/3.6/4/5/6/7/7.6/8KESL-G2



AC couple to retrofit existing solar system



110% overload output (1.3times < 60s)



Operation under only-PV input available



Maximum 16 single-phase units parallel

Max  
**18**

Maximum current 18A for single string module



Support dry contact generator starting



UPS switch over time < 10ms



Dual back up output



Up to 1.5 times PV input



Plugable interface,  
Quick installation, safe and reliable

# Technical Specification

AU3KESL-G2 AU3.6KESL-G2 AU4KESL-G2 AU5KESL-G2 AU6KESL-G2 AU7KESL-G2 AU7.6KESL-G2 AU8KESL-G2

PV INPUT								
Max.DC Input Power [W]	4500	4800	6000	7500	9000	10500	11400	12000
Max. DC Input Voltage [V]	500							
Start-Up Voltage [V]	125							
MPPT Voltage Range [V]	150-425							
Nominal Input Voltage [V]	370							
Max. Input Short-Circuit Current [A]	23+23				34+34			
Max. Operating PV Input Current [A]	18+18				28+28			
Number Of MPP Trackers					2			
Strings Per MPP Tracker	1+1				2+2		2+2	
AC INPUT/OUTPUT DATA								
Nominal AC Input/Output Power [W]	3000	3600	4000	5000	6000	7000	7600	8000
Max. Input/Output Apparent Power [VA]	3300	3960	4400	5500	6600	7700	8360	8800
Max. AC Input/ Output Current [A]	13.6	16.4	18.2	22.7	27.3	31.8	34.5	36.4
Nominal AC Input/ Output Current [A]	13	15.7	17.4	21.7	26.1	30.4	33	34.8
Rated output voltage [V]	220/230/240							
Nominal Grid Frequency [Hz]	50/60							
THDi (Rated Power) [%]	<3							
Displacement Power Factor	0.8 leading~0.8 lagging							
BATTERY PARAMETERS								
Battery Type	Lead-acid or Lithium-ion							
Voltage Range [V]	40-60							
Max. Charge/Discharge Current [A]	75	90	100	120	135	175	190	190
Number of Battery Input	1							
Charging Strategy for Li-ion Battery	Self-adaption to BMS							
Equipment Protection								
Integrated	DC Polarity Reverse Connection Protection, AC Output Overcurrent Protection, AC Output Overvoltage Protection, AC Output Short Circuit Protection, Thermal Protection, DC Terminal Insulation Impedance Monitoring, Dc Component Monitoring, Ground Fault Current Monitoring, Power Network Monitoring, Island Protection Monitoring, Earth Fault Detection, DC input Switch Overvoltage Load Drop Protection, Residual Current Detection (RCD), Surge protection level, Groundfault circuit interrupter (GFCI)							
Surge Protection Level	TYPE II(DC), TYPE II(AC)							
EPS (OFF-GRID OR BACK-UP) OUTPUT (WITH BATTERY)								
Nominal Output Power [W]	3000	3600	4000	5000	6000	7000	7600	8000
Peak Apparent Power [VA]	6000	7200	8000	10000	12000	14000	15200	16000
Max.Continuous Current [A]	13	15.7	17.4	21.7	26.1	30.4	33	34.8
Rated output voltage [V]	230							
Nominal Grid Frequency [Hz]	50/60							
Switch Time [ms]	<10							
Parallel Operation	Yes							
SYSTEM DATA								
Max. Efficiency [%]	97.6							
MPPT Efficiency [%]	>99							
Euro. Efficiency [%]	96.5							
Ingress Protection	IP66							
Operating Temperature Range [°C]	-40~+60 (Derating above +45)							
Max. Operating Altitude [m]	<4000							
Typical Noise Emission [dB]	<30							
Storage Temperature Range [°C]	-40~+65							
Over Voltage Category	OVC II(DC), OVC I(AC)							
Dimensions (W×H×D) [mm]	505*420*236							
Net Weight [kg]	28.5							
Cooling Type	Natural Cooling							
Communication Interfaces	RS485/CAN/WiFi							
AFCI Fault Protection	Optional							
STANDARD								
Safety&EMC	EN 62109-1 / 2; EN IEC 61000-6-1 / 2 / 3 / 4, IEC 61727, IEC 62116							
Certification	DIN VDE V 0124-100 VDE-AR-N 4105 ; EN 50549-1, CEI 021/016, NC RFG							

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