

OFF GRID
RESIDENTIAL SERIES

HIGH FREQUENCY
INVERTER

AU1.6/3/3.6/4/5.5/6.2/6.5/
8.6/11KESL-OG



 Rich application scenarios  Max. efficiency > 95%  Support dry contact starting generator(Optional)

 The parallel current can be dynamically adjusted after paralleling  Operating temperature -15°C to 55°C  Normal operation of only-connection PV panels

 Supports three-phase output after single-phase parallel operation  Supports multiple parallel machines, up to 9 parallel  The maximum current of a single string module is 20A

Technical Specification

	AU1.6KESL -OG	AU3KESL -OG	AU3.6KESL -OG	AU4KESL -OG	AU5.5KESL -OG	AU6.2KESL -OG	AU6.5KESL -OG	AU8.6KESL -OG	AU11KESL -OG
PV INPUT									
PV Charging Method	MPPT								
Max. PV Input Power [W]	2000	5000	6500	6500	8500	8500	8500	2*6500	2*7500
MPPT Tracking Range [V]	30~500					60~500	90~500		
Max. PV Input Voltage [V]	500								
Max.PV Input Current [A]	13	18	27	27	27	27 (MAX.36)			
AC OUTPUT-GRID									
Output Voltage [V]	/	208/220/230/240±5% (Feed-in Grid Voltage Range:195~253)							
Power Factor	/	>0.99							
Output Current [A]	/	13.6	15.7	16.3	23.9	26.9	26.9	37.4	47.8
Frequency [Hz]	50/60±0.1%								
AC OUTPUT-LOAD									
Rated Power [VA]	1600	3000	3600	4000	5500	6200	6500	8600	11000
Dual Output Power [W]	/	3000/3000	3600/3600	4000/4000	5500/5500	6200/6200	6500/6500	8600/8600	11000/11000
Second Load Cut Off Voltage [V]	/	22				44			
Second Load Return Voltage [V]	/	26				52			
Transfer Time (Adj ustable)	10ms for Computer Equipment, 20ms for Household Equipment								
Output Voltage [V]	208/220/230/240VAC±5%							220/230/240VAC±5%	
Output Frequency [Hz]	50/60±0.1%								
Waveform	Pure sine wave								
Switching Time (settable) [ms]	Computer equipment 10, household appliances 20								
Peak Power [W]	3200	6000	7200	7200	11000	12400	12400	17200	22000
Overload Capacity	Battery Mode : 21s@102%~110% load 10s@110%~130% load 3s@130%~150% load 400ms@>150% load 11s@150%~200% Load 400ms@>200% Load 21s@105%~150% Load 400ms@>200%								
Peak Efficiency (Battery Mode)	>94%								
AC INPUT									
Input Formation	L+N+PE								
AC Input [V]	220/230/240								
Input Voltage Range [V]	90~280VAC±3V (Normal Mode) 185~264VAC±3V (UPS Mode)								
BATTERY PARAMETERS									
Rated Voltage [V]	12	24				48			
Constant Charging Voltage [V]	14.1	28.2				56.4			
Float Charging Voltage [V]	13.5	27				54			
Max. PV Charging Current [A]	100			120	100	120		150	
Max. AC Charging Current [A]	60	80		100			120		150
Max. Charging Current [A]	100			120	100	120	120	150	
OTHERS									
Operating Temperature Range [°C]	0~+40								
Storage Temperature Range [°C]	-15~+60								
Operating Altitude [m]	No more than 1000m, If 1000m, Rate power will lower, MAX 4000m, Refer								
Noise [dB]	≤50								
Protection Class	IP21								
LCD Interface	Lcd Already, Led Touch Screen Optional								
RS232	5PIN/Pitch2.54mm, Baud Rate 2400								
Expansion Slot Communication	2 × 5PIN/Pitch2.54mm, Lithium battery BMS communication card, WIFI, etc								
Parallel Interface	Not Support Parallel				Support Parallel				
Size (WxHxD) [mm]	395*285*118				495*312*125				570.8*500*148.2
Weight [Kg]	7	11	11.2	11.2	11.8	12	12	22.3	22.5
Warranty	2 years								
STANDARD									
EN IEC 61000-6-4:2019/ EN 61000-3-12:2011/ EN IEC 61000-3-11:2019/ EN IEC 61000-6-2:2019/ EN 62109-1:2010(IEC 62109-1:2010)/ EN 62109-2:2011(IEC 62109-2:2011)/ IEC 61683:2000									
Comapatible Batteries	Austa; Pylontech;Voltronic,Growatt								