



● Off Grid Inverter

AU3/3.5/5/5.5/6/8/10KESL-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 ony-connection PV panels



Supports three-phase output after single-phase parallel operation



Supports multiple parallel machines, up to 9 parallel

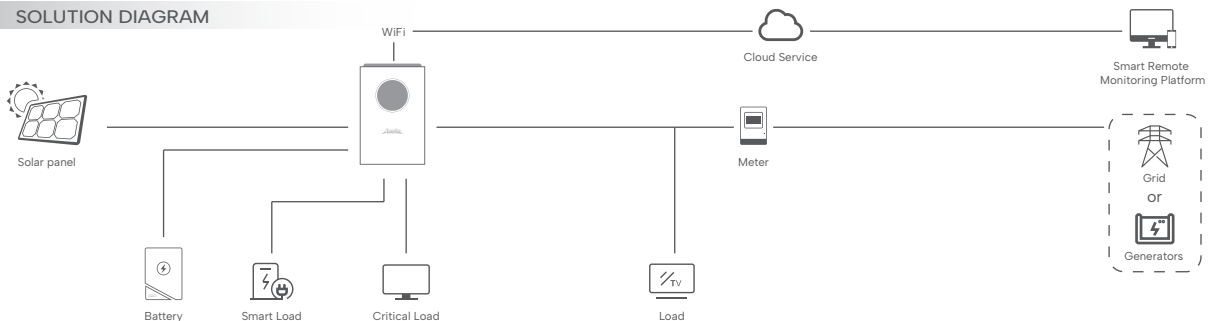


The maximum current of a single string module is 20A

Technical Specification

	AU3KESL-OG	AU3.5KESL-OG	AU5KESL-OG	AU5.5KESL-OG	AU6KESL-OG	AU8KESL-OG	AU10KESL-OG	AU11KESL-OG	
PV INPUT									
PV Charging Method	MPPT	MPPT	MPPT	MPPT	MPPT	MPPT	Dual MPPT	Dual MPPT	
Max. PV Input Power [W]	4000	4000	5500	5500	6000	2×4000	2×5500	2×5500	
MPPT Input Voltage Range [V]	120-500								
Optimum Vmp Operating Range [V]	300-400								
Max. PV Input Voltage [V]	500								
Max.PV Input Current [A]	16	18	20	20	20	20	20/20	22/22	
AC OUTPUT									
Rated Power [W]	3000	3500	5000	5500	6000	8000	10000	11000	
Output Voltage [V]	220/230/240±5%								
Output Frequency [Hz]	50/60±0.1%								
Waveform	Pure sine wave								
Switching Time (settable) [ms]	Computer equipment 10, household appliances 20								
Peak Power [V]	6000	7000	10000	11000	12000	16000	20000	22000	
Overload Capacity	Battery mode:10.5s@110%~150% Load;5.5s@150%~200% Load;200ms@>200% Load								
Peak Efficiency (Battery Mode)	>94%							>98%	
AC INPUT									
Input System	L+N+PE								
Rated Input Voltage [V]	220/230/240								
Voltage Range [V]	90-280±3 (normal mode) /170-280±3 (UPS mode)								
Frequency Range [Hz]	50/60								
BATTERY PARAMETERS									
Rated Voltage [V]	24				48				
Constant Voltage Charging Voltage [V]	28.2				56.4				
Float Charging Voltage (Settable) [V]	27				54				
Max. PV Charging Current [A]	100				120		160		150
Max. Mains Charging Current [A]	100				120		160		150
Max. Charging Current [A]	100				120		160		150
OTHERS									
Operating Temperature Range [°C]	0~+40								
Operating Humidity	20%-95%(no condensation)								
Storage Temperature Range [°C]	-15~+60								
Operating Altitude [m]	<1000								
Noise [dB]	≤50								
LCD Interface	AC input Voltage,AC input frequency,PV Voltage,PV Current,Output Voltage Output Frequency,Battery Voltage,Load Current,etc								
RS232	5PIN/Pitch2.0mm								
Expansion Slot Communication	Lithium battery BMS communication card, WIFI card, dry contact card, etc								
Parallel Interface	Yes								
Size (WxHxD) [mm]	495x312x125				570.8×500×148.2				
Weight [Kg]	8.8	9	10.4	10.8	12	19			
Warranty	2 years								
STANDARD									
EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1									

SOLUTION DIAGRAM



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