



Off Grid Inverter

AU3KESL-OG

AU3.5KESL-OG

AU5KESL-OG










AU5.5KESL-OG

AU6KESL-OG

AU8KESL-OG

AU10KESL-OG

Advantage

-  Pure sine wave output
-  Self design PCB board and cooling system
-  MPPT Efficiency max 98%
-  High Efficiency Design & "Power Saving Mode" to Conserve Energy
-  Auto Restart when Ac in recovering
-  Built in Transformer, overload and Ultra-high voltage protection
-  Selectable charging current based on applications
-  Smart battery charger design for optimized battery performance
-  Available for many kinds of battery



Model	AU3KESL-OG	AU3.5KESL-OG	AU5KESL-OG	AU5.5KESL-OG	AU6KESL-OG	AU8KESL-OG	AU10KESL-OG
PV Input							
PV charging method	MPPT	MPPT	MPPT	MPPT	MPPT	MPPT	Dual MPPT
Max. PV input power(W)	4000	4000	5500	5500	6000	2×4000	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
AC Output							
Rated power(W)	3000	3500	5000	5500	6000	8000	10000
Output Voltage(V)	220/230/240±5%						
Output Frequency(Hz)	50/60±0.1%						
Waveform	Pure sine wave						
Switching time (ms,setttable)	Computer equipment 10, household appliances 20						
Peak power(VA)	6000	7000	10000	11000	12000	16000	20000
Overload capacity	Battery mode:10.5s@110%~150% Load;5.5s@150%~200% Load;200ms@>200% Load						
Peak efficiency (battery mode)	>94%	>94%	>94%	>94%	>94%	>94%	>94%
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	24	48	48	48	48	48
Constant voltage charging voltage (V,setttable)	28.2	28.2	56.4	56.4	56.4	56.4	56.4
Float charging voltage (V,setttable)	27	27	54	54	54	54	54
Max. PV charging current(A)	100	100	100	100	100	120	160
Max. mains charging current(A)	100	100	100	100	100	120	120
Max. charging current(A)	100	100	100	100	100	120	160
Others							
Operating temperature range(℃)	0-40						
Operating humidity	20%-95%(no condensation)						
Storage temperature range(℃)	-15-60						
Operating altitude(m)	Altitude should not exceed 1000, above 1000 derating, up to 4000 refer to IEC62040						
Noise(db)	≤50						
LCD interface	Display of operating modes/loads/inputs/outputs etc. is available.						
RS232	Baud rate 2400						
Expansion slot communication	Lithium battery BMS communication card, WIFI card, dry contact card, etc.						
Parallel interface	No parallel function						
Size(W×H×D mm)	495x312x125						
Weight(kg)	8.8	9	10.4	10.8	12	TBD	TBD
Warranty	2 years						
Standards							
EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1							