

Hybrid Inverter

☉ 1Phase | Low Voltage

AU3/3.6/4/4.6/5/6KESL

Advantage

☉ Austar Hybrid inverter are designed to increase energy independence for homeowners and commercial users, which is compatible with low voltage batteries.



The battery charge and discharge current up to 120A



Off grid peak power can reach twice of rated power (15S)



Battery side high frequency transformer isolation, safe and reliable



10ms switching



Model	AU3KESL	AU3.6KESL	AU4KESL	AU4.6KESL	AU5KESL	AU6KESL
PV Input						
Max. DC input power(W)	4500	5400	6000	6900	7500	9000
Max. DC input voltage(V)	500					
MPPT voltage range(V)	150-450					
Starting voltage(V)	125					
Max. input current(A)	18	18/18	18/18	18/18	18/18	18/18
Max. short circuit current (A)	22.5	22.5/22.5	22.5/22.5	22.5/22.5	22.5/22.5	22.5/22.5
Number of MPP trackers	1	2	2	2	2	2
Strings per MPP tracker	1					
AC Output (Grid)						
Rated output power (W)	3000	3600	4000	4600	5000	6000
Max. output apparent power(VA)	3300	3960	4400	5060	5500	6600
Rated output voltage(V)	230					
Rated output frequency(Hz)	50/60					
Max. output current(A)	15	18	20	22	25	27
THDi	< 3%					
Output power factor	~1 (-0.8 leading~+0.8 lagging)					
AC Output (Backup)						
Rated output apparent power(VA)	3000	3600	4000	4600	5000	6000
Max. output apparent power(VA,sec)	6000,15	7200,15	8000,15	9200,15	10000,15	10000,15
Rated output voltage(V)	230(±2%)					
Rated output frequency(Hz)	50/60(±0.2%)					
Max. output current(A)	15	18	20	22	25	27
Battery Parameters						
Battery Type	Lithium or lead acid battery					
Rated battery voltage(V)	48					
Voltage range(V)	44-57					
Max. charge/discharge current(A)	75	90	100	110	120	120
BMS communication	CAN/RS485					
Efficiency						
Max. efficiency(PV)	97.6%					
Max. efficiency(cell)	94.5%					
European efficiency	97%					
Protection						
PV input reverse polarity protection	Yes					
PV insulation resistance detection	Yes					
Residual current detection	Yes					
Output over current protection	Yes					
Output short circuit protection	Yes					
Output over voltage protection	Yes					
Others						
Operating temperature range(°C)	-25~60					
Storage temperature range(°C)	-30~65					
Humidity range	0~95%					
Operating altitude (m)	≤4000					
Communication	RS485/CAN/WiFi/Ethernet/4G					
Protection degree	IP66					
Noise (db)	<25					
Size (W×H×D mm)	424*555*197					
Weight (kg)	19					
Standard						
EN 62109-1/2,IEC 62109-1/2,EMC 61000,EN50549,VDE 4105/0124,NRS 097-2-1,IEC61727/62116/61683						