

Hybrid Inverter

☉ 3Phase | Low Voltage

AU8/10/12KETL

Advantage

☉ Austa 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 240A



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



Battery side high frequency transformer isolation, safe and reliable



Support 3 phase unbalanced output



Model	AU8KETL	AU10KETL	AU12KETL
PV Input			
Max. DC input power (W)	12000	15000	16000
Max. DC input voltage (V)		1000	
MPPT operating voltage range (V)		200-800	
Starting voltage (V)		150	
Max. input current (A)	18/18	36/18	36/18
Number of MPP trackers	2	2	2
Strings per MPP tracker	1	2/1	2/1
AC Output (Grid)			
Rated output power (W)	8000	10000	12000
Max. output apparent power (VA)	8800	11000	13200
Rated output voltage (V)		400	
Rated output frequency (Hz)		50/60	
Max. output current (A)	13.3	16.7	20.0
Output power factor		-0.8 leading~+0.8 lagging	
AC Output (Two Backup)			
Full Max. output power (W)	8000	10000	12000
Max. output apparent power (VA,sec)	16000,15	20000,15	24000,15
Rated output voltage (V)		400(±2%)	
Rated output frequency (Hz)		50/60 (±0.2%)	
Backup1 Max. output power(W)	8000	10000	12000
Backup2 Max. output power(W)	8000	10000	12000
Output Power Factor(off grid)		1~0.8 leading to 0.8 lagging)	
Output Current Harmonic Distortion		THD<3%(Nonlinear load); THD<1.5%(Linear load)	
Max. output current (A)	13.3	16.7	20
Battery Parameters			
Battery type		Lithium or lead acid battery	
Rated battery voltage (V)		48	
Voltage range (V)		44-60	
Max. charge/discharge current(A)	190	210	240
BMS communication		CAN/RS485	
Efficiency			
Max. efficiency (PV)		98%	
Max. efficiency (Battery)		94.5%	
Europe efficiency		97.5%	
Protection			
DC reverse-polarity protection		Yes	
Short circuit protection		Yes	
Output over current protection		Yes	
Output over voltage protection		Yes	
Insulation resistance monitoring		Yes	
Residual current detection		Yes	
Surge protection		Yes	
Grid monitoring		Yes	
Islanding protection		Yes	
Temperature protection		Yes	
Integrated DC switch		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	
Topology		HF isolation (Battery side)	
Cooling method		Natural	
Noise (db)		<25	
Weight (kg)		38	
Size (W×H×D mm)		475×683×256	
Standard			
EN62109-1/2,IEC62109-1/2 ,EMC61000,EN50549, IEC61727,IEC62116,IEC61683,VDE 4105/0124			