

# 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
<b>PV Input</b>			
Max. DC input power (W)	12000	15000	18000
Max. DC input voltage (V)		1000	
MPPT operating voltage range (V)		200-800	
Starting voltage (V)		350	
Max. input current (A)	18/18	36/18	36/18
Max. short circuit current(A)	22.5/22.5	45/22.5	45/22.5
Number of MPP trackers	2	2	2
Strings per MPP tracker	1	2/1	2/1
<b>AC Output (Grid)</b>			
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	
<b>AC Output (Backup)</b>			
Rated output apparent power (VA)	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%)	
Max. output current (A)	13.3	16.7	20
<b>Battery Parameters</b>			
Battery type	Lithium or lead acid battery		
Rated battery voltage (V)	48		
Voltage range (V)	40-60		
Max. charge/discharge current(A)	190	210	240
BMS communication	CAN/RS485		
<b>Efficiency</b>			
Max. efficiency (PV)	98%		
Max. efficiency (Battery)	94.5%		
European efficiency	97.5%		
<b>Protection</b>			
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		
<b>Others</b>			
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		
<b>Standard</b>			
EN62109-1/2,IEC62109-1/2 ,EMC61000,EN50549, IEC61727,IEC62116,IEC61683,VDE 4105/0124			