

# Hybrid Inverter

☉ 3Phase | High Voltage

AU4/5/6/8/10/12/15KETH

## Advantage

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



Rated <math><1.5\%</math> harmonics



Support 120% three-phase unbalanced output



18A large components fully compatible, 1.5times DC overmatching



10ms switching ups function



Model	AU4KETH	AU5KETH	AU6KETH	AU8KETH	AU10KETH	AU12KETH	AU15KETH
<b>PV Input</b>							
Max. DC input power[W]	6000	7500	9000	12000	15000	18000	22500
Max. DC input voltage[V]	1000	1000	1000	1000	1000	1000	1000
Rated DC input voltage [V]	620	620	620	620	620	620	620
Start-up voltage [V]	160	160	160	160	160	160	160
MPPT voltage range[V]	160-950	160-950	160-950	160-950	160-950	160-950	160-950
Max. input current[A]	18/18	18/18	18/18	18/18	18/18	18/36	18/36
Max. short circuit current[A]	23/23	23/23	23/23	23/23	23/23	23/46	23/46
Number of MPP trackers	2	2	2	2	2	2	2
Strings per MPP tracker	1/1	1/1	1/1	1/1	1/1	1/2	1/2
<b>AC Output(Grid)</b>							
Rated output power[W]	4000	5000	6000	8000	10000	12000	15000
Max. output apparent power[VA]	4400	5500	6600	8800	11000	132000	165000
Rated output voltage[V]	400/380, 3L/N/PE						
Rated output frequency[Hz]	50/60						
Max. output current[A]	6.7	8.3	10	13.3	16.5	20	25
THDi(Rated output power)	<2%	<2%	<2%	<2%	<2%	<2%	<2%
Output power factor	0.8leading...0.8lagging						
<b>AC Input</b>							
Rated input voltage[V]	400/380, 3L/N/PE						
Max. input power[VA]	8000	10000	12000	16000	20000	24000	30000
Max. input power[VA]	12.2	15.2	18.2	24.3	30.3	36.4	45.5
<b>AC Output (Backup)</b>							
AC Output (Backup)	400/380	400/380	400/380	400/380	400/380	400/380	400/380
Rated output frequency[Hz]	50/60	50/60	50/60	50/60	50/60	50/60	50/60
Rated output power[VA]	4000	5000	6000	8000	10000	12000	15000
Max. output current[A]	6.1	7.6	9.1	12.1	15.2	18.2	22.7
THDv	3%	3%	3%	3%	3%	3%	3%
Switch time(ms)	<10	<10	<10	<10	<10	<10	<10
<b>Battery Parameters</b>							
Battery type	Lithium	Lithium	Lithium	Lithium	Lithium	Lithium	Lithium
Voltage range[V]	160-700	160-700	160-700	160-700	160-700	160-700	160-700
Max. charge/discharge power[W]	4000/4000	5000/5000	6000/6000	8000/8000	10000/10000	12000/12000	15000/15000
Max. charge/discharge current[A]	30/30	30/30	30/30	30/30	30/30	30/30	30/30
<b>Efficiency</b>							
MPPT efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
Max. efficiency	97.9%	97.9%	98%	98.2%	98.2%	98.4%	98.4%
European efficiency	96.8%	96.8%	96.8%	97.1%	97.2%	97.4%	97.4%
<b>Others</b>							
Operating temperature range[ C ]	-25~60						
Storage temperature range [ C ]	-30~65						
Humidity range	0~95%						
Operating altitude[m]	<3000						
Protection degree	IP66						
Topology	transformerless						
Parallel mode	intergrated						
Communication	WIFI/RS485/CAN(BMS)						
Display	LCD						
Cooling method	Natural					Fan	
Size[mm]	520*400*230						
Weight[kg]	28						
<b>Standard</b>							
EN/ IEC 61000, EN/IEC62109-1/2,VDE 4105/0124,CEI 0-21/16							