

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



	AU4KETH	AU5KETH	AU6KETH	AU8KETH	AU10KETH	AU12KETH	AU15KETH
PV INPUT							
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
AC Input							
Rated input voltage [V]	400/380,3L/N/PE						
Max.input power [VA]	8000	10000	12000	16000	20000	24000	30000
Max.input current [A]	12.2	15.2	18.2	24.3	30.3	36.4	45.5
AC OUTPUT_ GRID							
Rated output power [W]	4000	5000	6000	8000	10000	12000	15000
Max.output apparent power [VA]	4400	5500	6600	8800	11000	13200	16500
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	<2%						
Output power factor	adjustable +/-0.8						
AC OUTPUT _ Off Grid							
AC Output (Backup)	400/380						
Rated output frequency [Hz]	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%						
Switch time [ms]	<10						
BATTERY PARAMETERS							
Battery type	Lithium						
Voltage range [V]	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						
EFFICIENCY							
MPPT efficiency	99.90%						
Max, efficiency	97.90%		98%		98.2%		98.4%
European efficiency		96.80%		97.1%	97.2%		97.4%
PROTECTION							
Isolation device on the input side	Integrated						
Protection against island operation	Integrated						
DC reverse polarity protection	Integrated						
Monitoring the condition of insulation	Integrated						
DC surge protector	Integrated						
AC surge protector	Integrated						
Residual current monitoring (RCMU)	Integrated						
AC overcurrent protection	Integrated						
AC short circuit protection	Integrated						
AC surge protection	Integrated						
Protection against electric arc	Integrated						
Remote control receiver	Integrated						
Protection against charging the battery from the grid	Integrated						
OTHER PARAMETERS							
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, max 10pcs						
Communication	WiFi / RS485/ CAN (BMS)						
Display	LCD						
Cooling method	Natural					Fan	
Size (Width * Height * Depth) [mm]	520*400*230						
Weight [Kg]	28						
Safety & EMC	EN 62109-1 / 2; EN IEC 61000-6-1 / 2 / 3 / 4						
Grid connection standard	DIN VDE V 0124-100 VDE-AR-N 4105 ; EN 50549-1, CEI 021/016, NC RFG						
Comapatile batteries	AUSTA Lih5/7.5/10/12.5/15Kwh; Pylontech Force H1/H2(-V2) Powercube X1/X2/H1/H2(-V2)						