

austa



Hybrid Inverter-3phase

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



AFCI
Intergrated



Rated <2% harmonics



Support 110% three-phase
unbalanced output



18A large components
fully compatible,
1.5times DC overmatching

**<10
ms**

UPS Switch
Over Time<10ms



Supports parallel connection



Off-grid switching



Dry node start generator



Support SUNSPEC protocol

Technical Specification

	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			
Rated DC Input Voltage [V]				620			
Start-Up Voltage [V]				160			
MPPT Voltage Range [V]				160-950			
Max. Input Current [A]				18/36			
Max. Short Circuit Current [A]				23/46			
Number Of MPP Trackers				2			
Strings Per MPP Tracker			1/1				1/2
AC INPUT							
Rated Input Voltage [V]				400/380,3L/N/PE			
Max. Input Power [V]	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 [V]	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 [V]	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				99.9%			
Max. Efficiency	97.9%		98%	98.2%		98.4%	
Euro. Efficiency		96.8%		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			
Protection Against Island Operation				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 (W×H×D) [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			
Compatible Batteries				AUSTA Lih5/7.5/10/12.5/15Kwh; Pylontech Force HI/H2(-V2) Powercube X1/X2/H1/H2(-V2)			

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