



HIGH VOLTAGE SYSTEM INTEGRATED SOLUTIONS



AFCI

Arc-Fault-Circuit-Interrupter



Modular installation simple and safe



Harmonics <2%



Support for generator functions



Big color touch screen local visualization



Support Parallel Connection



Pressure Relief Valve
Prevents Explosion



High-temperature
Fire-resistant Pad



Aerogel Insulation Pad
Blocks heat transfer.



Comprehensive Cell
Temperature Monitoring



Built-in Firefighting Module
4s Rapid Fire Extinguishing



Built-in Heating Pad Ensures
stable operation in Cold Environments

Technical Specification



INVERTER

AU5KETH

AU6KETH

AU8KETH

AU10KETH

AU12KETH

AU15KETH

10-15kWh

10-25kWh

PV INPUT

Max.DC Input Power [W]	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 [W]	10000	12000	16000	20000	24000	30000
Max. Input Current [A]	15.2	18.2	24.3	30.3	36.4	45.5

AC OUTPUT_ GRID

Rated Output Power [W]	5000	6000	8000	10000	12000	15000
Max. Output Apparent Power [VA]	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]	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 [W]	5000	6000	8000	10000	12000	15000
Max. Output Current [A]	7.6	9.1	12.1	15.2	18.2	22.7
THDv	3%					
Switch Time [ms]	<10					

EFFICIENCY

MPPT Efficiency	99.9%					
Max. Efficiency	97.9%	98%	98.2%		98.4%	
Euro. Efficiency	96.8%		97.1%	97.2%		97.4%

OTHER PARAMETERS

Operating Temperature Range [°C]	-25~+60					
Storage Temperature Range [°C]	-30~+65					
Humidity Range	0~95%					
Operating Altitude [m]	<3000					
Ingress Protection	IP65					
Topology	Transformerless					
Parallel Mode	Integrated, max 10pcs					
Communication	WiFi / RS485/ CAN (BMS)					
Display	LCD					
Cooling Method	Natural			Fan		

PROTECTION

Isolation Device On The Input Side, Protection Against Island Operation, DC reverse PolarityProtection, Monitoring The Condition Of Insulation, DC Surge Protector, AC Surge Protector, Residual Current Monitoring (RCMU), AC Overcurrent Protection, AC Short Circuit Protection, Protection Against Island Operation, Remote Control Receiver, Protection Against ChargingThe Battery From The Grid

BATTERY PARAMETERS

Battery Module	2	3	4	5
Nominal Capacity [kWh]	10	15	20	25
Nominal Voltage [V]	204.8	307.2	409.6	512
Operating Voltage [V]	163-227	244-340	326-454	408-568
Max. Discharge/Charge Current [A]	35			

BATTERY PARAMETERS				
Battery Type		LiFePO4		
Cell Configuration		1P64S	1P96S	1P128S
Charging operating temperature [°C]		Charge: 0~+50 Discharge: -20~+55		
Discharging operating temperature [°C]		-20~+35		
Transportation SOC		30%		
Life Cycles		>6000 @ 25°C, 0.5C, 90%DOD		
Altitude [m]		≤2000		
Ingress Protection		IP65		
Installation		Ground-mounted		
Size (W×H×D) [mm]		460×670×810	460×670×965	460×670×1120
Weight [kg]		70.1	97.9	125.7
Rated Capacity		Test conditions: cell voltage 2.5V-3.65V, 25±3°C temperature range, 0.5C charge and discharge		
Available Capacity		Test conditions: 90% depth of discharge, 25±3°C temperature range, 0.5C charge and discharge		

High-Voltage Modular Energy Storage Units



HIGH-VOLTAGE INVERTER MODULE		
Model Name		AU5-15KETH-AIO
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
Rated Input Voltage	[V]	400/380,3L/N/PE
Rated Output Frequency	[Hz]	50/60
Max. Output Current	[A]	8.3-25
Weight	[kg]	32
Dimensions	[mm]	460*670*280



HIGH-VOLTAGE BATTERY BMS		
Model Name		AU-PDU
Rated Charge/Discharge Current	[A]	35
Lifespan		>5000 @ 25°C,0.5C, 90%DOD
System Voltage Rating	[°C]	Charging: 0~+50, Discharging: -20~+55
Ingress Protection		IP65
Installation		Modular plug-in
Weight	[kg]	12.8
Dimensions	[mm]	460*670*120



HIGH-VOLTAGE BATTERY PACK MODULE		
Model Name		AU10052
Capacity	[Ah]	52
Rated Charge/Discharge Current	[A]	35
System Voltage Rating	[V]	102.4
Battery Type		LiFePO4
Lifespan		>6000 @ 25°C,0.5C, 90%DOD
Operating Temperature Range		Charg: 0~+50°C, Discharge: -20~+55°C
Weight	[kg]	48.5
Dimensions	[mm]	460*670*155
Ingress Protection		IP65
Installation		Modular plug-in



HIGH-VOLTAGE BATTERY BASE		
Weight	[kg]	8.4
Dimensions	[mm]	460*670*100