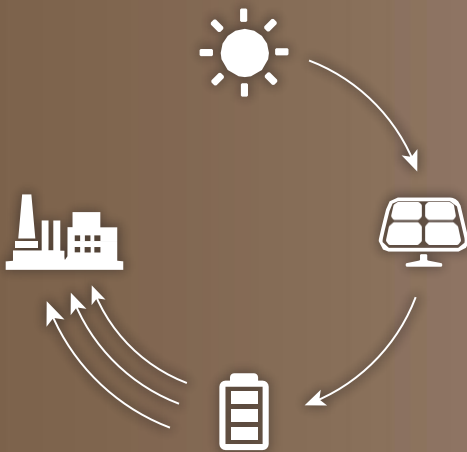


Three-Phase Residential

Energy Storage System

Hybrid Inverter 6 - 12 kW

LFP Battery 10 - 30 kWh



Up to 150%
PV input



Easy installation
Plug and Play



110% 3-Phase
uninterrupted output



Off-grid 1.5 times
overload operation



Multiple charging
discharging times
setting



IP65
Rating



Load monitoring
accuracy 10W.



Intelligent insulation
detection function



120-800V ultra-wide
battery voltage range



Anti-back flow
function



Remote
upgrade

Three-Phase High Voltage ESS

IP rating	IP65				
Cooling	Natural cooling				
HYBRID INVERTER	AE6K-H-T	AE8K-H-T	AE10K-H-T		
Coupling	Hybrid				
Max. PV Input Power (kW)	15				
Max. DC Voltage (V)	1000				
MPPT Voltage Range (V)	180-950				
Max. DC Current (A)	15+15				
Max. Charge/Discharge Power (kW)	6/6	8/8	10/10		
Rated Battery Voltage (V)	200	266	333		
Battery Voltage Range (V)	120-875				
Max. Battery Charge/Discharge Current (A)	30/30				
Rated Grid Voltage (V)	3L/ N/ PE, 220/ 380, 230/ 400				
Rated Current (A)	9.2/8.7	12.2/11.6	15.2/14.5		
Rated Grid Frequency (Hz)	50/60				
Rated Grid Input Active Power (kW)	9	12	15		
Max. Grid Input Current (A)	13.6	18.2	22.7		
Rated Grid Output Active Power (kW)	6	8	10		
Rated EPS Output Apparent Power (kVA)	6	8	10		
Over load	200%	150%	120%		
Max. EPS Output Current (A)	10.1	13.5	16.8		
Max. Efficiency	97.6%				
Power Factor Range	0.8ind-0.8cap				
THD	<3%				
Operating Temperature Range	-25-60°C (>45°C Derating)				
Communication Interface	WIFI/RS485				
Product Dimension (W × H × D) / Weight	550×575×240 mm / 29 kg				
Certification Standards	Safety: IEC62109-1, IEC62109-2, EMC: IEC61000-6-1, IEC61000-6-3				
Certificate	TUV CE				
Grid-Connection Standards	Germany: VDE-AR-N 4105/11.18, Europe: EN 50549-1:2019, EN 50549-10:2022 South Africa: NRS 097-2-1:2017 Ed.2.1, Sweden: EIFS 2018:2				
BESS	AESCB10	AESCB15	AESCB20	AESCB25	AESCB30
BCU Dimension (WxHxD)/Weight	550x200x252 mm/9.5 kg				
Number of batteries	2	3	4	5	6
Nominal capacity(kWh)	10.2	15.3	20.4	25.5	30.6
Nominal Voltage(V)	204.8	307.2	409.6	512	614.4
Standard Charge Voltage(V)	227.2	340.8	358.4	568	681.6
Discharge Cut-off Voltage(V)	179.2	268.8	454.4	448	537.6
Dimension(mm)	550x252x960	550x252x1300	550x252x1640	550x252x960 550x252x1100	550x252x1300 550x252x1100
Weight(kg)	116.5	168.5	220.5	116.5 / 159	168.5 / 159
BATTERY PACK	AES5.1-M				
Rated Voltage (V)	102.4				
Operating Voltage Range (V)	89.6-113.6				
Rated Capacity (Ah)	50				
Energy Capacity (kWh)	5.12				
Battery Material	LFP				
Recommnd Charge/Discharge Current	25A/25A (25°C)				
Max. Charge/Discharge Current	32A/32A (25°C)				
Charge/Discharge Efficiency	>95%				
Cycle Life	>6000* Cycles				
Ambient Temperature	-20°C-53°C				
Charging/Discharging Temperature	0°C-53°C/-18°C-53°C				
Communication	CAN, RS485				
IP rating	IP65				
Scalability	Up to 6 modules				
Battery Dimension (WxHxD)/Weight	550x340x252 mm/52 kg				
Certificate	TUV, CE				
EMC Certification Standards	IEC 61000-6-1, IEC 61000-6-3				
Safety Certification Standards	IEC/EN62477-1, IEC 62619, IEC 60730 Annex H, IEC 63056				
Transportation	UN38.3				
Cooling	Natural cooling				

* At 25°C, under specific test conditions.