



I-Phase Residential

Angile Battery Energy Storage System



Up to 200%
PV input



Easy installation
Plug and Play



Factory reset
function



Off-grid 1.5 times
overload operation



Low temperature
heating function



IP65
Grade



Load monitoring
accuracy 10W.



Automatic parallel
function, no dip



AFCI function,
extra safety



Anti-back flow
function



Remote
control



10 Years
warranty

I-PHASE LOW VOLTAGE BESS



Warranty	10 Years				
Coupling	Hybrid				
IP rating	IP65				
Cooling	Natural cooling				
HYBRID INVERTER	AE4K6-L-S	AE5K-L-S	AE6K-L-S		
Max.PV Input Power	6 kW	7 kW	7 kW		
Max. PV Input Voltage	550 V				
MPPT Voltage Range	125 V - 500 V				
Nominal DC operating voltage	360 V				
Max.PV Input Current	14 A / 14 A				
Number of MPP Trackers / String per MPPT	2/1				
Battery voltage range	40 V - 58 V				
Max. charging Voltage	58				
Max. charge/discharge current	95 A / 95.8 A	95 A / 104.2 A	95 A / 110 A		
Max. Output Current	20 A	21.7 A	26 A		
Rated Power	4.6 kVA	5 kVA	6 kVA		
Rated Voltage	230 V, L+N+PE				
Operating Voltage Range	176 V - 270 V				
Frequency	50 Hz / 60 Hz				
Power Factor	0.99ind...0.99cap				
THD	<2%				
Automatic Switch Time	<20 ms				
Overload Capability	110%, 60s / 120%, 30s / 150%, 10s				
Max Efficiency	97.6%				
Display	LCD				
Communication	Standard: RS485/CAN/DRM Optional: WIFI/LAN				
Certificates	TUV, VDE, SAA				
Dimensions (WxHxD)	550×650×200 mm				
Weight	30 kg				
Operation Temperature	-25 °C - 60 °C				
Standby Power Consumption	<3 W				
BATTERY PACK	AE-BS48/5-1-W	AES5.3-L			
Rated Voltage (V)	51.2				
Operating Voltage Range (V)	44.8 - 58	40 - 58			
Rated Capacity (Ah)	105	104			
Energy Capacity (kWh)	5.376	5.32			
Battery Material	LFP				
Recommen Charge/Discharge Current	50A/50A (25°C)				
Max. Charge/Discharge Current	100A/100A (25°C)				
Charge/Discharge Efficiency	> 95%				
Cycle Life (DoD 95%)	> 6000* Cycles				
Ambient Temperature	-20°C - 55°C				
Charging / Discharging Temperature	0°C - 55°C / -20°C - 55°C				
Communication	CAN, RS485				
Battery Dimension (WxHxD) / Weight	550×550×195 mm / 59 kg	550×550×195 mm / 54 kg			
Certificate	TUV, CE				
EMC Certification Standards	IEC 61000-6-1, IEC 61000-6-3				
Safety Certification Standards	IEC 62619, IEC 63056, IEC 60730 Annex H				
Environmental	RoHS REACH	RoHS			
Transportation	UN38.3				

* At 25°C, under specific test conditions