

ALL-IN-ONE ENERGY STORAGE SYSTEM



Built-in single phase hybrid Inverter (5/6kW)



Energy capacity from 5.22kwh to 15.66 kWh with 1 to 3 battery module configuration.



Stacked battery design, easy installation and operation, plug and play.



IP54 protection, support indoor and outdoor installation



Remote configuration and upgrade, manage your energy at fingertip

Inverter Specification

Inverter Specification	AKS-INV-HB5000	AKS-INV-HB6000
Efficiency		
Max.Efficiency (PV to Grid)	97.3%	
Max.Efficiency (Battery to Load)	94%	
Input (PV)		
Max.Input Voltage	550V	
Rated Input Voltage	360V	
.Input Current	15A	
Max Max.Short Circuit Current	20A	
Start Input Voltage	90V	
MPPT Operating Voltage	70V-520V	
Range Max.Number of PV	2	
Strings No. of MPPTs	2	
Input (Battery)		
Battery Type	Lithium-ion	
Nominal Battery Voltage	48V	
Max.Charge/Discharge Current	120A	
Lithium-ion Battery Charge Curve	Self-adaption to BMS	
THDI	<3% (Rated Power)	
Output (Grid)		
Rated AC Active Power	5000W	6000W
Max. AC Active Power	5500W	6000W
Rated AC Voltage	230V	
AC Voltage Range	180V-275V(Adjustable)	
Rated Grid Frequency	50Hz/60Hz	
Max.AC Current Output to Utility Grid(A)	25A	27.2A
Output (EPS)		
Nominal Output Power	5000VA	6000VA
Nominal Output Voltage	230V	
Nominal Output Frequency	50Hz/60Hz	
THDV	<3%@100% R Load	
Switching Time(Optional)	10ms	

Technical Specifications

Battery Module

	AKS-BSG-5220
Nominal voltage [V]	51.2
Operating voltage range [V]	45.6-56.2
Total energy [kWh]	5.22
Standard power [kW]	2.56
Max. power [kW]	5
Recommended char/discharge current [A]	50/50
Max. charge/discharge current [A]	100
Cycle life	10,000 cycles*
Expected life time /	>10 years
Available char/ discharge temp range [°C]	-20~+50
Protection	IP54
Dimensions (L*W*H) [mm]	515*200*350
Weight [kg]	45 Kg
Warranty	5 Years Product Warranty 10 Years Performance Warranty

*Tested under specific conditions.
* These figures may vary depending on different AC voltage and country regulation.