

AIO-SL-HP3K6B5/6KB5-A1

6kW Hybrid Inverter & 5kWh Battery System



High Safety

Built-in intelligent BMS can automatically manage charge and discharge state and balance current and voltage of each cell.



Flexible Applications

IP65 design can meet the installation requirements of multiple scenarios such as floor-standing and wall-mounted



All-in-One Design

Integrated 6kW hybrid inverter and 5.12kWh LFP battery, or 3.6kW hybrid inverter and 5.12kWh LFP battery. Wall-mounted installation is plug-and-play



Intelligent Control

Comfortable and easy control via App; Multiple working modes match different electricity usage habits, saving electricity bills

AIO-SL-A1 SERIES

ALL-IN-ONE SYSTEM



Model	AIO-SL-HP3K6B5-A1		AIO-SL-HP6KB5-A1	
PV String Input Data				
Max.PV Input Power(W)	5400		9000	
Max.PV Input Voltage(V)			600	
Rated PV Input Voltage(V)			360	
Start-up Voltage(V)			120	
MPPT Voltage Range			120-550	
Max.PV Input Current(A)			16/16	
Max. DC Short Circuit Current(A)			20/20	
No.of MPP Trackers			2	
No.of Strings Per MPPT			1/1	
Battery Input Data				
Battery Type	Built-in 5.12 KWh Li-ion			
Battery Capacity(KWh)	5.12			
Battery Voltage Range (V)	40~60			
Max. Charge/Discharge Current (A)	80/80		100/100	
Max Charge / Discharge Power (W)	3600/3600		5000/5000	
Scalability	Supports parallel connection of LB5-W01 series Batteries			
AC Input/Output Data(On-grid)				
Rated AC Output Power(W)	3600		6000	
Max. AC Output Apparent Power(VA)	3960		6600	
Rated AC Voltage(V)	220V/230V, L/N/PE			
Rated AC Frequency(Hz)	50/60			
Rated AC Output Current(A)	16.4/15.7		27.3/26.1	
Max.AC Output Current(A)	18/17.2		30/28.7	
Power Factor	0.8 leading to 0.8 lagging			
THDi(@Rated Power)	THDi<3% (Rated Power)			
Max. AC Power From Grid(VA)	7200		10000	
Max. Current From Grid(A)	32.7/31.3		45.5/43.5	
AC Output Data(Back-up)				
Rated Output Power(W)	3600		6000	
Max.Output Apparent Power(VA)	3960		6600	
Peak Output Apparent Power(VA)	4320@60s	5400@10s	7200@60s	9000@10s
Rated Output Voltage (V)	230V, L/N/PE			
Rated Output Frequency (Hz)	50/60			
Rated Output Current (A)	15.7		26.1	
Max Output Current (A)	17.2		28.7	
Switch Time (ms)	4ms			
THDv (@Linear Load)	THDv < 3%			
Efficiency				
Max. Efficiency	97.23%			
Euro Efficiency	96.59%			
MPPT Efficiency	> 99%			
General Data				
User Interface	LED & APP			
Communication With Meter	RS485			
Communication with Portal	WIFI+LAN			
Dimensions(W*H*D mm)	556.6*850*237.9			
Weight(kg)	70			
Opeartion Conditions				
Operating Temperature Range(°C)	-25~60°C			
Storage Temperature Range(°C)	-25~85°C			
Operation Relative Humidity	0 - 95%			
Max. Operation Altitude(m)	3000m (>2000m power derating)			
Ingress Protection	IP65			
Cooling Concept	Natural Cooling			
Installation Style	Wall-mounted			
Noise Emission(dB)	< 30			