

Home storage all-in-one system

Aokly new energy storage system is used in residential, villa and other household fields, can be combined with photovoltaic, wind and other new energy power generation systems, to create clean power generation, safe power storage, reliable backup, smart distribution, efficient electricity smart grid home service platform, to ensure the economy and stability of household electricity.



MAIN FEATURES

(Designed for Families)

- Support Off-grid output
- Multiple charge and discharge modes are available

(User Friendly)

- Get started quickly and use it instantly
- Min. dimension, saving space in the home

(Easy to install)

- No matching and commissioning is required, easy to install
- Plug-and-play. Eliminate the clutter of wires

(Intelligence)

- Support Wifi view real-time data through the App
- Large LCD screen with real-time data

(Safety)

- High quality LiFePO4 cells
- Smart Lithium Ion battery management solutions

(Warranty)

- 3-year product warranty
- 5-year performance warranty



Power the green energy future

(Product parameters)

(Product Specifications)	3.5KW/5.1KWh	5KW/5.1KWh
(Model)	AIO-3.5-5.1	AIO-5.0-5.1

(Battery Parameters)

(Battery Type)	LiFePO4	LiFePO4
(Nominal Voltage (Vdc))	51.2 Vdc	51.2 Vdc
(Capacity (AH))	100Ah	100Ah
(Max Charge/Output Current (A))	100A	100A
(Rated Charge/Discharge Power (W))	2560W	2560W
(Charge Temperature)	0—45°C	0—45°C
(Discharge Temperature)	-20—55°C	-20—55°C
(Battery Pack Expansion)	4	4

(PV Input)

(Max PV Input Power (W))	4000W	5000W
(Max Input Voltage (Vdc))	500 Vdc	500 Vdc
(MPPT Operating Voltage Range (Vdc))	120—450 vdc	120—450 vdc
(Startup Voltage (Vdc))		
(Single MPPT Input Current (A))		
(Single MPPT Max Input Current (A))	80 A	80 A
(MPPT Input Channels)	1	1
(Per MPPT String Count)		

BMS

(Power Consumption)	2.4W	2.4W
(Monitoring Parameters)	(System voltage)、(Current)、(Cell temperature)、 (Module temperature)、(Alarm Information)、(Protection Information)、SOC、SOH	
(SOC)	0—100%	0—100%
(Communication)	CAN/MODBUS	CAN/MODBUS

(AC Output (Off-Grid))

(Off-Grid Output Nominal Power (VA))	3500VA	5000VA
(Off-Grid Output/Input Max Power (VA))		
(Off-Grid Output Max Current (A))	16A	16A
(Rated Output Voltage (Vac))	220V	220V
(Output Voltage Range (Vac))	220—240V	220—240V
(Rated Frequency (Hz))	50Hz	50Hz
(Total Harmonic Distortion)	(Sine Wave)	(Sine Wave)

(Efficiency)

(Max Efficiency)	93%	93%
(Max DC-AC Conversion Efficiency)	93%	93%
(Max DC-AC Conversion Efficiency)	99%	99%

(General Data)

(Operating Temperature Range (°C))	-20—55°C	-20—55°C
(Relative Humidity)	5%~95%	5%~95%
(Noise Level (dB))	66.2dB	66.2dB
(Communication)	CAN/MODBUS	CAN/MODBUS
(Cooling)	(Air-cooled)	(Air-cooled)
(Product Dimensions (LxWxH) (mm))	800*500*150mm	800*500*150mm
(Inverter Weight (kg))		
(Battery Pack Weight (kg))	(62Kgs(With inverter))	(62Kgs(With inverter))

(Warranty)

(Product Warranty)	3 Years	3 Years
(Performance Warrant)	5 Years	5 Years

(CERTIFICATE)

(Certificate)	none	none
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