



Low Voltage Battery

AS-5.12~10.24LB-GL1

「5.12/10.24kWh」



Features



Stable Performance

Lithium iron phosphate (LiFePO4) battery



Flexible Expansion

Max. 15pcs in parallel for capacity expansion



Higher Extendibility

Multiple interfaces ready for further function extension



Optional Installation

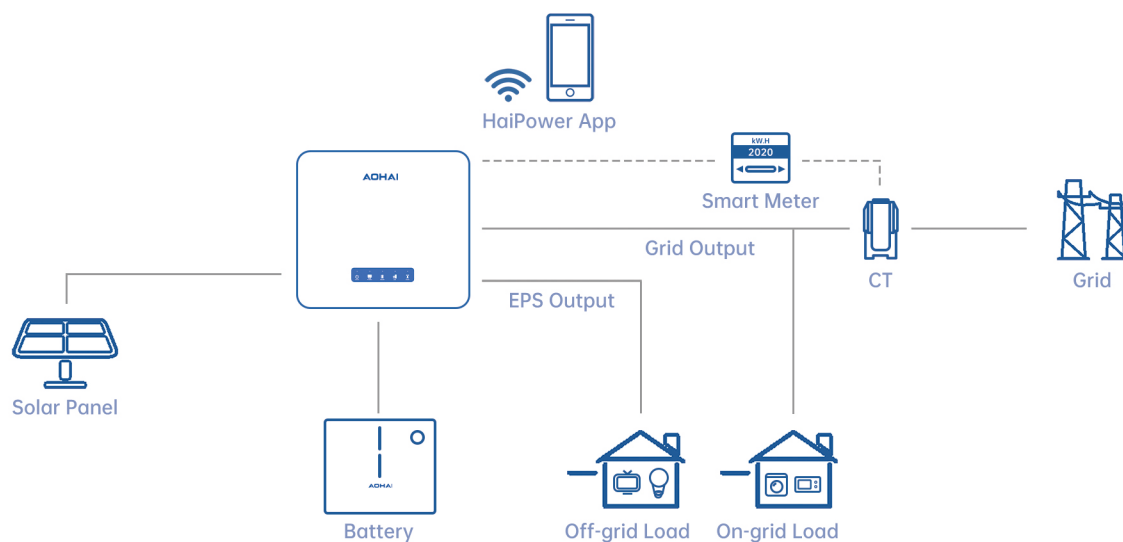
Wall-mounted and floor-standing both available



LED Indicator

Real-time feedback on SOC and battery status

Energy Storage Solution



Specifications

Model

AS-5.12LB-GL1

AS-10.24LB-GL1

Technical Data

Nominal Voltage	51.2V	51.2V
Rated Capacity	100Ah	200Ah
Energy	5120Wh	10240Wh
Battery Impedance	≤ 50 mΩ	≤ 50 mΩ
Charging Cut-off Voltage	56.16 V	56.16 V
Discharge Cut-off Voltage	45.6 V	45.6V
Recommend Charge Current	0.2C 20A	0.2C 40A
Max. Charge Current	0°C ~ 15°C: 20A; 15°C ~ 45°C: 50A	0°C ~ 15°C: 40A; 15°C ~ 45°C: 100A
Max. Continuous Discharge Current	100A, -20°C~60°C ; 65±20%RH	200A, -20°C~60°C ; 65±20%RH

Battery Parameter

Operating Temperature Range	-20~60°C	-20~60°C
Storage Environment (50% state of charge)	20°C ~ 45°C in three months; 25±3°C over three months; Humidity: 65±20%RH	20°C ~ 45°C in three months; 25±3°C over three months; Humidity: 65±20%RH
Environment	Indoor	Indoor
Installation	Wall mounted/Floor standing	Wall mounted/Floor standing
Cell Technology	Lithium iron phosphate (LiFePO4)	Lithium iron phosphate (LiFePO4)
Life Cycle	6000 times @80%DOD	6000 times @80%DOD
Cooling	Natural convection	Natural convection
Protection Rating	IP65	IP65
Certificate	CB, IEC62619, UL1973, UKCA, CE-EMC, CE-GPDS, EN62619; UN38.3, MSDS	CB, IEC62619, UL1973, UKCA, CE-EMC, CE-GPDS, EN62619; UN38.3, MSDS
Communication	RS232, CAN, RS485	RS232, CAN, RS485

Mechanical Data

Dimension (W*H*D)	520*470*141.5mm	800*590*142mm
Battery Net Weight	48.45kg	98kg
Battery Gross Weight	54.15kg	106kg