Low Voltage Battery

AS-5.12~10.24LB-GL1

「5.12/10.24kWh」

Features

Stable Performance
Lithium iron phosphate (LiFePO4) battery

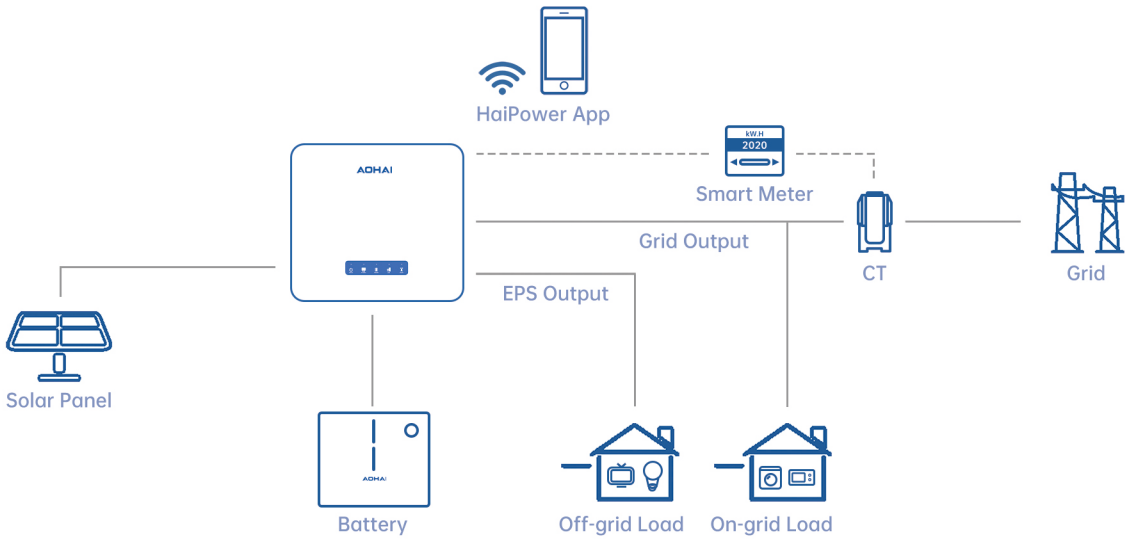
Flexible Expansion
Max. 15pcs in parallel for capacity expansion

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-GPSD, EN62619; UN38.3, MSDS	CB, IEC62619, UL1973, UKCA, CE-EMC, CE-GPSD, 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