

Low Voltage Residential Battery

AES-5KWH-G1

AES series batteries are low-voltage lithium batteries designed by Livoltek for household energy storage. The battery can be installed on the floor or on the wall, flexibly adapting to your installation environment. In order to meet the growing load demand, flexible expansion can meet your current and future energy needs.

Product Benefits

- Intelligent BMS with multiple protections
- IP65 supporting indoor and outdoor installation
- Reliable performance: high efficiency and 90% DOD
- Double and robust mechanical protection
- Long cycle life and safest prismatic LFP batteries
- Easy and quick installation and expansion with modular design, up to 5 units in parallel



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BATTERY

Model	AES-5kWh-G1
Cell Type	LFP
Nominal Voltage	51.2 V
Operating Voltage Range	40.0-58.4V
Nominal Capacity	100 Ah
Nominal Energy	5.12 kWh
Depth of Discharge	90%
Dimensions (W × H × D)	560 × 586 × 190 mm
Weight	56 kg
Max. Charge/Discharge Current	85 A / 100 A
Operating Temperature	Charge: 0°C to 50°C; Discharge: -10°C to 55°C
Operating Humidity	5%-95%
Storage Temperature	-20°C to +60°C
Operating Altitude	<4000 m
Communication	RS485/CAN
Scalability	Up to 6 Modules / 30 kWh
Cooling Type	Natural
Ingress Protection	IP65
Cycle Life	6000 Cycles[1]
Authentication Level	IEC 62619, CE, UN38.3, IEC 61000

[1]: Test conditions: 0.5C Charge/0.5C Discharge, @25°C, 90% DOD, 70% EOL.