

ALTIUS



5 kWh Battery



10 Year Warranty

You can relax knowing the battery is covered by a 10 year warranty.



Easy Installation

With our easy-to-install solar battery, you can start storing your excess solar energy quickly and efficiently, with installation by one of our qualified installers.



Back-Up Capability

With our solar battery's reliable backup capability, you can ensure uninterrupted power supply during outages and emergencies, giving you peace of mind and added security.



High Efficiency

Our solar battery with 98% round trip efficiency is the perfect solution for those seeking maximum energy utilisation and savings, while reducing their carbon footprint.



Reliable

Our cutting-edge solar battery technology ensures reliable and efficient storage of solar energy, providing a safe and reliable solution for your home energy needs.



All-In-One App

Stay connected to your solar energy system anytime, anywhere with our all-in-one monitoring app, providing real time data and insights for optimal system performance.



Extra Battery Power

Maximise your energy independence and increase your savings by adding up to 4 solar batteries to your system.

Protect Your Warranty

This unit must be installed by a registered, licensed installer as required by Government regulations.

After Sales Support

1300 886 605

Technical Specifications

Performance

Model Number	AS-5KW-LB3
Total Energy Capacity (kWh)	5.120
Usable Energy Capacity (kWh)	5.018, 98% DOD
Nominal Voltage (V)	51.2
Voltage Range (V)	45 to 57
Battery Capacity (Ah)	100
Charge Voltage (V)	57
Charge/Discharge Current (A)	45 (Max) 75 (Max) / 66 (Rated)
Peak Current (A)	110 for 10 seconds
Max, Charge/Discharge Power (kW)	2.565 / 4.275
Rated DC Power (kW)	3.38
Peak Power (kW)	6.27 for 10 seconds
Battery Pack Round Trip Efficiency (%)	98
Internal Resistance (mΩ)	Ω15
Cycle Life	>6000, 25°C, 90% DOD
DC Disconnect	Contactors
Short Circuit Current (A)	500, 100 μs
Rated Discharge/Charge Power (kW)	3.4 / 2.0

General

Battery Type	LiFePO4 (LFP)
Dimensions (W x D x H, mm)	542 x 197 x 468
Weight (kg)	49
Installation	Wall-mounted
Environment	Indoor / Outdoor
Ingress Rating	IP65
Operating Temperature Range (°C)	-10 to 55
Transport or Storage Temperature Range (°C)	-10 to 35
Humidity (%)	<85 (No Condensing)
Altitude (m)	Max. 2000
Transportation	UN38.3
Cooling Strategy	Natural convection
Standards	AS IEC 62691 & AS/NZS 62368 & EN 61000
Warranty	10 Years

BMS (Battery Management System)

Communication Interface	CAN / RS-485
SOC	Intelligent algorithm
Power Consumption (W)	<1 (Work), <0.1 (Sleep)
Monitoring Parameters	System Voltage, Current, Cell Voltage, Cell Temperature, Module Temperature

Note: Monitoring achieved through compatible inverter