



## 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-LB2
Total Energy Capacity (kWh)	5.120
Usable Energy Capacity (kWh)	4.608, 90% DOD
Nominal Voltage (V)	51.2
Voltage Range (V)	45 to 57
Battery Capacity (Ah)	100
Charge Voltage (V)	57
Charge/Discharge Current (A)	40 (Max) 75 (Max) / 66 (Rated)
Peak Current (A)	110 for 10 seconds
Max, Charge/Discharge Power (kW)	2.28 / 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)	0 to 55 (Charge) / -10 to 55 (Discharge)
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