AKAI

ENERGY

5 kW Home Battery

10 Year Warranty

High Efficiency

Back up Capability

Online Monitoring

AFTER SALES SUPPORT 1300 886 605

PROTECT YOUR WARRANTY

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

Technical Specifications

After Sales Support
1300 886 605

Performance	
Model Number	AKE-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 (m)	15
Cycle Life	>6000, 25°C, 90% DOD
DC Disconnect	Contactor
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

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