

AKAI

ENERGY



10 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

1800 886 605
After Sales Support

Performance

Model Number	AKE-10KW-HB
Total Energy Capacity (kWh)	10.240
Usable Energy Capacity (kWh)	8.192, 80% DOD
Nominal Voltage (V)	51.2
Voltage Range (V)	40~58.4
Battery Capacity (Ah)	200
Charge Voltage (V)	58.4
Charge/Discharge Current (A)	50 (Recommended) 100 (Max)
Peak Current (A)	200 for 3 seconds
Max. Charge/Discharge Power (kW)	4.8
Rated DC Power (kW)	2.5
Peak Power (kW)	9.6 for 3 seconds
Battery Pack Round Trip Efficiency	98%
Internal Resistance (mΩ)	≤30
Cycle Life	>6000 , 25 °C
DC Disconnect	Contacteur
Short Circuit Current (A)	400
Rated Discharge/Charge Power (kW)	2.5

General

Battery Type	LiFePO4 (LFP) & EN 61000
Dimensions (W x D x H, mm)	580 x 250 x 950.5
Weight (kg)	106.34
Installation	Wall-mounted
Environment	Indoor only
Ingress Rating	IP65
Operating Temperature Range (°C)	-10~50
Transport or Storage Temperature Range (°C)	-20~45
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 / RS-232
SOC	Intelligent algorithm
Power Consumption (W)	<2 (Work), <0.1 (Sleep)
Monitoring Parameters	System Voltage, Current, Cell Voltage, Cell Temperature, Module Temperature