



# ALFA

## KB-35 All-in-One Energy Storage System

The ALFA KB-35 is a durable DC-coupled energy storage system combining a powerful 10kVA hybrid inverter and a 35kWh LiFePO battery. Built for demanding residential or commercial use, the KB-35 supports solar input, grid-tied and backup modes, with app-based monitoring, fanless cooling, flood tolerance up to 8000mm, and an internal fire suppression system.

Inverter Capacity	10 kVA (Hybrid)
System Type	DC Coupled
Solar PV Capacity	15 kW
Solar Voltage Range	150 – 500 V
Monitoring	Mobile App (WiFi)
Mounting	Wall to Floor
Communication	CAN Bus

### BATTERY

Capacity	35 kW
Voltage	51.2 VDC
Max Charge Current	300 A
Max Discharge Current	300 A
Battery Chemistry	LiFePO4
Cycle Life	8000+ cycles @ 90% DOD

### INVERTER OUTPUT

Nominal Power	10 kW
Output Voltage	230V AC
Output Frequency	50/60 Hz
Phase	Single Phase
Efficiency	> 97%
MPPTs	2 x 4 Inputs

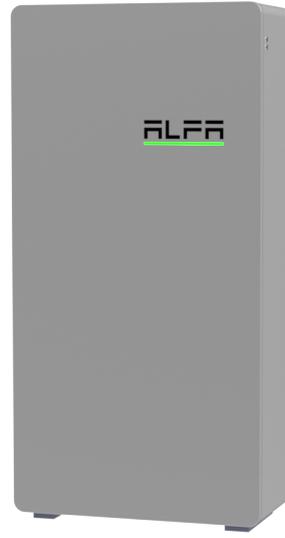
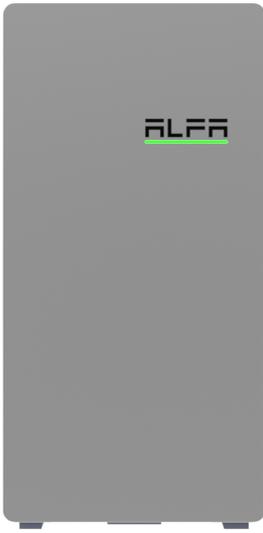
### ENVIRONMENT

Cooling	Natural (Fanless)
Operating Temp	-10°C to 50°C
Humidity	0% – 95% RH (non-condensing)
Protection Rating	IP65
Altitude	≤3000 m

### PHYSICAL

Dimensions (mm)	320 x 700 x 1400
Weight	260 kg
Housing	Galvanized Steel

[ Product Image ]



12-Year Warranty

Visit: [www.alfaenergi.com](http://www.alfaenergi.com) | Email: [support@alfaenergi.com](mailto:support@alfaenergi.com)