



ALFA

REX All-in-One Energy Storage System

The ALFA REX is a compact and efficient energy storage system designed for smaller-scale residential backup and energy optimization. Equipped with a 4 kVA inverter and 12 kW LiFePO4 battery, REX delivers reliable off-grid capability and peak-time power savings with mobile app monitoring and IP65-rated protection.

GENERAL DATA

Inverter Capacity	4 kVA
System Type	All in One
Monitoring	Mobile App (WiFi)
Mounting	Wall or Floor
Communication	RS485 / CAN

BATTERY

Capacity	12 kW
Voltage	51.2 VDC
Max Charge Current	80 A
Max Discharge Current	80 A
Battery Chemistry	LiFePO4
Cycle Life	8000+ cycles @ 80% DOD

INVERTER OUTPUT

Nominal Power	4 kW
Output Voltage	230V AC
Output Frequency	50/60 Hz
Phase	Single Phase
Efficiency	> 97%
MPPTs	N/A

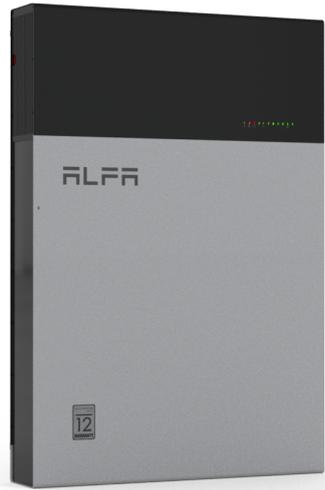
ENVIRONMENT

Cooling	Cooling Fan
Operating Temp	-10°C to 50°C
Humidity	0% – 95% RH (non-condensing)
Protection Rating	IP55
Altitude	≤3000 m

PHYSICAL

Dimensions (mm)	1100/750/150
Weight	145 kg
Housing	Galvanized Steel

[Product Image Placeholder]



12-Year Warranty

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