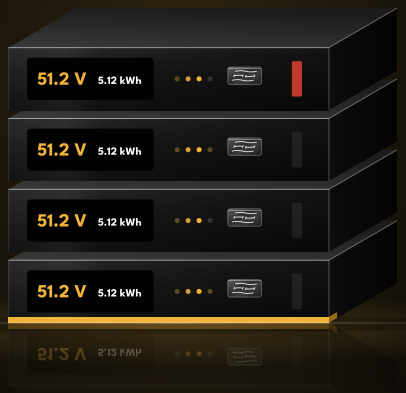
AFRICA ENERGY Co.



ILLUSTRATIVE PRODUCT RENDER

BATTERY STORAGE

Kainji LFP Battery Module

51.2 V / 100 Ah · 5.12 kWh per module

Stackable lithium iron phosphate modules for solar and backup systems. Each module stores 5.12 kWh, and clusters grow past 100 kWh. LFP chemistry is stable in heat and rated for 6,000+ cycles, so it lasts for years of daily use.

Chemistry	Lithium iron phosphate (LFP)
Nominal voltage	51.2 V
Capacity	100 Ah
Energy per module	5.12 kWh nominal
Usable energy	About 4.6 kWh per module at 90% depth of discharge
Stacked cluster	Up to 102 kWh+ (about 20 modules)
Cycle life	6,000+ cycles at 80% depth of discharge
Warranty	10 years, standard

Cluster figure is 20 modules at 5.12 kWh each (102.4 kWh). Usable energy uses a 90% depth of discharge.

Named after Kainji Lake, Niger and Kwara States.

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