AFRICA ENERGY Co.



HOME BACKUP

Olumo Rock Home Power System

5 kVA · 5 or 10 kWh battery

A complete home power system with solar panels, a 5 kVA inverter and a lithium battery. By day the sun powers your home, AC included, and fills the battery. At night the battery takes over, so you can sleep with the AC on. No generator, no noise, no fuel.

Power at once	5 kVA: enough for an inverter AC and your everyday appliances at the same time
Battery size	5 kWh or 10 kWh lithium (LFP) battery. Think of it as the fuel tank for the night.
During the day	Solar panels power your home, AC included, and refill the battery for the night
At night, 5 kWh	About 5 hours with the AC, TV, lights, fans and fridge on, or about 7 hours asleep with the bedroom AC, fridge and Wi-Fi
At night, 10 kWh	About 10 hours with the AC, TV, lights, fans and fridge on, or about 13 hours asleep with the bedroom AC: the whole night
Air conditioners	Inverter ACs, 1 HP or 1.5 HP. Old-style non-inverter ACs are not supported.
Warranty	5 years on the battery, 12 months on the inverter

> **Designed for:** Lights, TV, Wi-Fi, fans, your fridge and one inverter air conditioner (1 HP or 1.5 HP).

Night-time hours are estimates for a typical home with an inverter AC. We check what you actually use and confirm the hours before you buy.

Old-style (non-inverter) air conditioners use too much power and are not supported.

Named after Olumo Rock, Abeokuta, Ogun State.

AFRICA ENERGY Co.



ILLUSTRATIVE PRODUCT RENDER

COMMERCIAL AND MINI-GRID INVERTERS

Zuma Hybrid Inverter Range

30, 50 and 100 kW · up to 10 in parallel

Three-phase hybrid inverters for shops, offices, clinics, factories, estates and mini-grids. Start with one unit and add more as the load grows: up to 10 run in parallel, with grid and generator working alongside solar and storage.

Models	30 kW, 50 kW and 100 kW
AC output	Three-phase, 400 V AC
Parallel operation	Up to 10 units (up to 1,000 kW combined at 100 kW per unit)
Peak efficiency	Above 98%
PV input	Multiple MPPT inputs
DC to AC ratio	Up to 1.5
Grid and generator	Bidirectional operation, generator synchronisation
Application	Mini-grids, commercial and industrial sites, and high-voltage cabinets for utility-scale installs

Named after Zuma Rock, Niger State, at the gateway to Abuja.

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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.

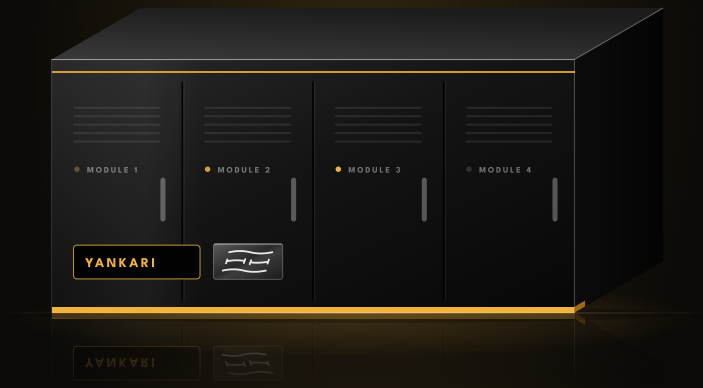
Chemistry	Lithium iron phosphate (LFP)
Nominal voltage	51.2 V
Capacity	100 Ah
Energy per module	5.12 kWh nominal
Usable energy	About 4.6 kWh per module at 90% depth of discharge
Stacked cluster	Up to 102 kWh+ (about 20 modules)
Cycle life	6,000+ cycles at 80% depth of discharge
Warranty	10 years, standard

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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ILLUSTRATIVE PRODUCT RENDER

BATTERY ENERGY STORAGE SYSTEM (BESS)

Yankari Power Reserve

Sized to the site · modular and scalable

A modular lithium-ion storage system, designed for the site and expanded as demand grows. It works with solar, grid or generator, and an integrated battery management system with remote monitoring keeps every module in view.

System type	Modular lithium-ion BESS
Capacity	Designed for the site and scalable as the load grows
Battery management	Integrated BMS
Monitoring	Remote monitoring and control
Energy sources	Solar, grid or generator
Cycle life and efficiency	Set per configuration and stated in your quote

Named after Yankari, Bauchi State.

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