

# SUNSYNK POWER SOLUTIONS

## Product Guide — Nigeria

Authorized Sunsynk Dealer | [catalystenergy.ng](http://catalystenergy.ng)

### About Sunsynk

Sunsynk is a global smart energy brand specializing in hybrid inverters and LiFePO4 batteries. With headquarters in the UK and South Africa and over 20 years in the renewable energy industry, Sunsynk has built a global reputation for reliability, innovation, and lasting quality.

<b>#1 in UK</b>	Rated #1 residential solar inverter brand in the United Kingdom
<b>#1 in SA</b>	Rated #1 residential solar inverter brand in South Africa
<b>4.5 / 5</b>	Trustpilot rating — "Excellent" (325+ verified customer reviews)
<b>20+ Years</b>	In the renewable energy industry
<b>UK &amp; SA HQ</b>	Dual headquarters in the United Kingdom and South Africa

### Warranty — Industry's Best

Sunsynk offers the longest warranty available from any inverter brand in Nigeria. The warranty coverage depends on whether you purchase a standalone unit or a fully matched Sunsynk system:

Component	Standalone Warranty	Matched System Warranty
Sunsynk Inverter	5 Years	<b>10 Years</b>

Component	Standalone Warranty	Matched System Warranty
Sunsynk Battery	10 Years	10 Years

**Matched System = Maximum Protection:** When you pair a Sunsynk inverter with a Sunsynk battery, the inverter warranty doubles from 5 years to 10 years.

**No other inverter brand available in Nigeria offers a 10-year inverter warranty.**

Note: Extended warranty applies to new systems installed by an accredited installer and registered on the Sunsynk website within 7 days of commissioning.

## How Sunsynk Saves You Money

Most Nigerian homes spend ~~₦100K–₦200K/month~~ on diesel. Sunsynk cuts that by **60–80%**.

- **Solar powers your home during the day** — ₦0 diesel, ₦0 NEPA bill while the sun is up
- **Battery takes over at night** — stored solar energy runs your home for 8–18 hours without generator
- **Generator only runs when truly needed** — the inverter auto-starts when battery drops below 20%, then auto-stops when charged. No more running gen "just in case"
- **You control everything from your phone** — set when to use solar, battery, grid, or generator. Adjust anytime, anywhere

**Example:** A home spending ₦150K/month on diesel → with Sunsynk, generator might run 2–3 hours/day instead of 8–12 → diesel drops to ₦30K–₦60K/month.

**That's ₦1M–₦1.5M saved every year.**

**Plus: Sunsynk batteries last 15+ years (6,000 cycles). Budget brands last 2–3 years. You buy ONCE instead of replacing 5 times.**

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## Inverters

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### Lynks 6kW Hybrid Inverter

**BEST FOR: 2-3 BEDROOM HOMES, SMALL OFFICES, RETAIL SHOPS**

**Diesel Savings: Reduces generator runtime by 60–80%**

<b>Powers</b>	Lights, fans, fridge, TV, laptops, phone charging, small AC
<b>Generator Control</b>	Auto-starts/stops your generator — no more waking up at 3am
<b>Source Management</b>	Solar + battery + NEPA + generator — switches in under 10ms
<b>Max Solar Input</b>	<b>8kWp (4,000W x 2 MPPT) — up to 20 panels of 400W</b>
<b>Solar Voltage</b>	Max 500V DC   MPPT range 120–450V
<b>Smart Control</b>	WiFi dongle included — monitor and control via app
<b>Installation</b>	Indoor (IP41) — garage or utility area
<b>Pair With</b>	1x X-Series 5.12kWh (essentials backup) or 1x 16.09kWh (full home)

### Lynks 8kW Hybrid Inverter

**BEST FOR: 4-5 BEDROOM HOMES, DUPLEXES, MEDIUM OFFICES, RESTAURANTS**

**Diesel Savings: Can eliminate generator dependency for most of the day**

<b>Powers</b>	Multiple ACs, water heater, washing machine, full home loads
<b>Capacity vs 6kW</b>	33% more power — handles 1.5HP+ air conditioning
<b>Generator Control</b>	Gen only kicks in when absolutely necessary — auto-starts/stops
<b>Max Solar Input</b>	<b>10kWp (5,000W x 2 MPPT) — up to 25 panels of 400W</b>
<b>Solar Voltage</b>	Max 500V DC   MPPT range 120–450V   23A per MPPT
<b>Smart Control</b>	WiFi dongle included — monitor and control via app
<b>Installation</b>	Indoor (IP41) — garage or utility area
<b>Pair With</b>	1x or 2x X-Series 16.09kWh batteries for 18–24hr backup



### **Coming Soon: AI Energy Optimisation**

Sunsynk is rolling out built-in AI that learns how your home uses power. Over time, it builds a picture of your daily routine — when you cook, run the AC, charge devices — and automatically adjusts how your solar, battery, and generator work together to minimise your bills. Instead of a fixed schedule, the system gets smarter every day. Early adopters in the UK and South Africa are already seeing an additional 10–15% reduction in energy costs on top of standard solar savings. This feature will be available to all Sunsynk systems via a firmware update — no new hardware required.

**When you buy Sunsynk today, AI optimisation comes to you automatically — at no extra cost.**

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## Batteries

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### X-Series 5.12kWh LiFePO4 Battery

**BEST FOR: STARTER HOMES, ESSENTIAL LOAD BACKUP, BUDGET-CONSCIOUS BUYERS**

**What It Replaces: 8–12 hours of generator runtime every night**

<b>Backup Duration</b>	8–12 hours overnight (lights, fans, fridge, TV) — no generator needed
<b>Lifespan</b>	6,000+ cycles = 15+ years. Budget batteries last 2–3 years.
<b>Warranty</b>	10-year warranty (standalone)
<b>Installation</b>	IP65 rated — installs OUTDOORS (wall, patio, garage exterior)
<b>Expandable</b>	Start with one, add more batteries later as needs grow
<b>Design</b>	Compact wall-mount — saves floor space, no power room needed

### X-Series 16.09kWh LiFePO4 Battery

**BEST FOR: LARGER HOMES WITH AC, BUSINESSES NEEDING EXTENDED BACKUP**

**What It Replaces: An entire night of generator running, including AC**

<b>Capacity</b>	3x the 5.12kWh — runs AC and full house loads through the night
<b>Backup Duration</b>	Full overnight backup for a 4-bedroom home with AC
<b>Lifespan</b>	6,000+ cycles = 15+ years of daily use
<b>Warranty</b>	10-year warranty (standalone)
<b>Installation</b>	IP65 rated — outdoor installation OK, saves indoor space
<b>Design</b>	Wall-mount design

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## Combo Unit

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### Lifelynk XL 2 (5.5kW Inverter + Battery in One)

**BEST FOR: QUICK INSTALLATIONS, RENTAL PROPERTIES, SMALL HOMES WANTING SIMPLICITY**

The Lifelynk XL 2 combines inverter and battery into a single unit — less wiring, faster installation, same smart features.

- Inverter and battery in one unit — less wiring, faster install
- All smart features included — app control, generator automation, monitoring
- Ideal for developers fitting out multiple units at once
- No other major brand in Nigeria offers a combined unit like this
- Backup duration: 8–12 hours on essential loads

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## Recommended Packages

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Not sure what you need? Use this quick-reference guide:

Home / Property Size	Package	Backup	Monthly Diesel Savings
1-2 bed / Small office	6kW + 1x 5.12kWh	8-12 hrs	<del>₦40K</del> - <del>₦80K</del> /month
2-3 bed / Shop	6kW + 1x 16.09kWh	12-18 hrs	<del>₦60K</del> - <del>₦120K</del> /month
3-4 bed / Medium office	8kW + 1x 16.09kWh	10-14 hrs	<del>₦80K</del> - <del>₦150K</del> /month
4-5 bed / Duplex	8kW + 2x 16.09kWh	18-24 hrs	<del>₦100K</del> - <del>₦180K</del> /month
Quick install / Rental	Lifelynk XL 2	8-12 hrs	<del>₦40K</del> - <del>₦80K</del> /month

Savings estimates based on replacing generator runtime with solar + battery. Actual savings depend on solar panel size, usage patterns, and current diesel spend.

Use our online solar calculator at [catalystenergy.ng/calculator](https://catalystenergy.ng/calculator) to size the exact right system for your home or business.

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## For Builders & Developers

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Specifying Sunsynk in your builds is a smart commercial decision:

- **Sells homes faster** — "Smart power system included" is a premium selling point
- **No power room needed** — batteries mount outdoors (IP65), inverter goes in any cupboard
- **Fewer complaints** — auto generator control means residents aren't calling you about power
- **10-year warranty** — your liability ends at handover, the warranty covers the rest
- **Residents save ~~₦60K~~-~~₦180K~~/month on diesel** — that's a conversation they'll have with friends. Free marketing for your next development.
- **Lifelynk XL 2 combo** — one unit, fast install, perfect for fitting out multiple apartments



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## Get in Touch

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Ready to get a quote, or want us to size the right system for your property? Reach us through any of the channels below:

### **Catalyst Energy Services Limited**

WhatsApp: +234 814 882 4993

Web: [catalystenergy.ng](http://catalystenergy.ng)

Email: [bolao@catalystenergy.ng](mailto:bolao@catalystenergy.ng)

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