



The Best Solar Energy For Your Home



20 Years Warranty



ECO Friendly



Fast Charging



Long life Battery



Savings

A Quick Decision Guide when considering Solar



Thinking About Solar?

At Ecolink Power Systems, we understand that choosing the right solar solution for your home or business can feel overwhelming. From system sizing and costs to selecting reliable brands and installers, making the wrong decision is easy and can be expensive.

That's why we've created this Solar Decision Guide — a practical, easy-to-follow resource designed to help you make informed choices. The guide explains how to select the appropriate type and size of solar system, what to look for when selecting the components, and how to identify a trustworthy installer, so you can invest in solar with confidence.

Let's get started right away!

1 Why Go Solar?

Electricity is becoming more expensive and unreliable in many parts of Kenya. Solar helps you to:

- ✓ Reduce your monthly electricity bills
- ✓ Avoid frustration caused by blackouts
- ✓ Power homes and businesses where grid is weak or unavailable
- ✓ Reduce generator fuel & maintenance costs
- ✓ Enjoy clean, dependable energy

However, solar is not a “one size fits all”. The right solution depends on your situation, your appliances, and what you want solar to do for you. This guide helps you make that decision **quickly and confidently**.

2 Start Here: What Do You Want Solar to Do?

Most people come to us with one of these goals. Which one sounds like you?

◇ Option A — Reduce Electricity Bills

You already have grid power but want to cut costs. Solar runs most appliances while the grid only supports heavier loads like cookers & instant showers. Expect **50% – 90% bill reduction** depending on setup.

◇ Option B — Reliable Backup Power

You mainly want to stay powered during outages, so your home or business keeps running. Solar + batteries provide seamless automatic backup.

◇ Option C — Off-Grid / No Grid

Your premises have no grid power or getting connected is too expensive. Solar becomes your **primary power source**, designed to run efficiently day & night.

👉 Whichever group you fall into, we design a solution specifically for you.

3 What Determines Cost?

Solar cost varies because every home or business is different. The main factors are:

- 1 **How much power you use daily** (lights, fridge, TV, pumps, business machines etc.)
 - 2 **How much of that power you want solar to cover** - 100% (full independence) - 70–80% (most cost-effective for homes) - Backup only
 - 3 **Battery Type & Size** – Lithium batteries now very cost effective and offer a longer lifespan compared to lead-acid batteries. Note: It's solar batteries, not car batteries!
 - 4 **Quality of Equipment & Installation** - Good brands can last 10–25 years if properly installed and maintained - Poor systems fail early and cost more long-term
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4 Simple Ways to Estimate Your System Size

You don't need engineering knowledge. Here are quick ways to estimate:

✓ Method 1 — Your Electricity Bill

If your monthly bill is around **KES 5,000**, your daily consumption is roughly **5–7 units (kWh)**. If your bill is **KES 12,000**, your daily usage is typically **12–14 units (kWh)**

Most Kenyan homes only need solar to cover **70–80%** of this to get great savings.



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✓ Method 2 — Based on Appliances

Think about what you want on solar: - Lights, TV, laptops, fridge — ✓ easy, affordable - Pumps, washing machine — ✓ doable with good sizing - Electric cooker & instant shower — ✗ very expensive to run on solar (better left on grid)

👉 If you're unsure, we will help you calculate accurately.

5 Typical System Levels & Price Guide (Indicative)

Prices vary with brand & exact specification, but this range helps you plan.

Package	Typical Home Size	Typical Monthly Bill	What It Powers Comfortably	Estimated Budget
Bronze	1 BR	KES ~3,000	Lights, TV, small fridge, laptops	120k – 150k
Silver	2–3 BR	KES ~5,000	More lights, medium fridge, Microwave, iron, gadgets	170k – 190k
Gold	4 BR	KES ~8,000	Large fridge, washing machine, pump, security, more gadgets	300k – 350k
Platinum	5–6 BR	KES ~12,000	Large appliances, pumps, CCTV, more capacity	450k – 500k
Diamond	Large Homes / High Power	KES ~20,000+	High-demand homes, premium loads	650k – 750k+

💬 **Note:** We design each system based on your real usage, so you don't overpay or undersize.

6 Backup vs Full Solar — What Should You Choose?

✓ If your main pain is blackouts:

Choose **Backup / Hybrid Solar System** - Keeps essential loads running during outages - Automatically switches when grid fails - Affordable and practical



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✓ If your main pain is high electricity bills:

Choose **Bill-Reduction Solar System** - Runs most daily loads - Grid supports heavy appliances - Saves 50%–80% of your monthly bill

✓ If you're off-grid:

Choose **Fully Off-Grid Solar System** - Runs essential and priority loads 24/7 - Designed around battery storage efficiency

We will guide you honestly depending on your situation.

7 Why Many Solar Systems Fail

Unfortunately, some systems fail because of:

- ✗ Wrong sizing
- ✗ Cheap low-quality equipment
- ✗ Poor installation & wiring
- ✗ Using car batteries instead of solar batteries

At **Ecolink Power Systems**, we focus on:

- ✓ Correct design
- ✓ Good brands
- ✓ Professional installation
- ✓ Honest guidance

This ensures your system performs as expected and lasts long.

8 Ready to Know What Fits You?

We'll help you choose quickly.

+☎ To Get a FREE Recommendation:

Select the option that best describes your situation: -

1 I want to reduce my electricity bills

2 I want to have reliable back-up power during outages



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3 I am off-grid, I'm thinking about solar as the only source of power

4 Other (Specify)

We'll suggest: - Recommended system size - Expected performance - Budget estimate

Talk to Us

ECOLINK POWER SYSTEMS LTD

Trusted Solar Solutions for Homes & Businesses in Kenya

 +254 728 365 651

 <https://ecolinkpowersystems.com/>

Let's power your home or business — reliably, affordably, and professionally.



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