

## How to Install Solar System

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### Why Go Solar Now?

electricity bills are getting out of control in most households. Last month, the average Filipino family spent 12% more on power compared to 2022. But here's the kicker: installing a solar system could slash those bills by 60-80% permanently. Not to mention the sweet tax incentives available until 2025.

### The Hidden Costs of Waiting

I recently met a shop owner in Cebu who kept postponing his solar installation. Turns out he's spent ₱380,000 extra on diesel generators since 2020 - money that could've bought him a full solar setup from Highjoule Technologies' SunBlaze Pro Series.

### Planning Your Solar Setup

First things first - you need to understand your energy diet. Our engineers at Highjoule recommend this 3-step approach:

- Track your monthly kWh consumption
- Identify peak usage hours
- Calculate your roof's solar potential

Pro tip: Our Solar Planner Toolkit app uses AI to analyze your electricity patterns and roof dimensions automatically. Just upload a recent MERALCO bill and a Google Earth screenshot.

### Roof Realities

South-facing roofs aren't always ideal here. Because of the Philippines' unique latitude, we've found 10-degree westward tilts actually capture 18% more morning sun in Metro Manila installations.

### Choosing the Right Gear

When selecting components, don't just focus on panel efficiency. The real magic happens in the battery



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storage system. Highjoule's PowerCell Vault uses liquid-cooled lithium ferro-phosphate cells that last 3x longer than standard models.

## Panel Types Compared

Type	Efficiency	Lifespan
Monocrystalline	20-22%	25+ yrs
Polycrystalline	15-17%	20 yrs

## Step-by-Step Installation

Here's where most DIYers mess up - they treat solar panel installation like hanging Christmas lights. Safety first! Always disconnect the main power supply before mounting racks.

## Mounting Made Simple

Our field teams use a patented "floating rail" system that requires zero roof penetration. Last year, this method helped complete a 50kW installation at SM Mall of Asia in just 3 working days.

"The key is balance - between structural integrity and weather resistance." - Engr. Maria Cruz, Highjoule Lead Installer

## Keeping It Running Smoothly

Think solar systems are maintenance-free? Think again. Dust accumulation can reduce output by 7% monthly during dry season. A quick rinse with deionized water every fortnight keeps panels at peak performance.

## When to Call Pros

If your Highjoule monitoring app shows sudden voltage drops, don't panic. Our 24/7 support team can remotely diagnose 83% of common issues without onsite visits. For critical problems, we guarantee same-day response within NCR.

Installing a solar power system isn't just about saving money anymore - it's energy independence. And with companies like Highjoule offering 15-year performance warranties, the risk is practically zero. Why keep feeding MERALCO's meter when you can harvest free sunlight?

Web: <https://vbstyl.pl>