Solarify

YOUR SOLAR PLANNING REPORT

A clearer starting point.

Prepared 2026-11-06 for a home. Free launch report.

Your starting setup

System to discuss: hybrid

Panels: 5 x 550 W (2.75 kWp DC)

Inverter planning class: 3 kW AC

Nominal storage: 5.12 kWh - selected-load estimate

Indicative installed budget

PHP 140,000 to PHP 325,000

This is Solarify's broad planning envelope, not an offer from an installer. Public references were checked 5 November 2026. Actual equipment, delivery, roof/electrical work, approvals and project scope can change the price.

Read this first

This report helps you plan and compare installer proposals. It is not a final quote, electrical design, wiring guide, permit document or guarantee of generation, savings or uninterrupted supply. A qualified installer must confirm site conditions and compatibility.

Your inputs and energy picture.

Goal: both

Grid connection: Available

Electricity bill: PHP 5,000

Blended rate assumption: 12 PHP/kWh (editable, not a verified utility tariff)

Daytime share: 50%

Location: Mindanao

Usable roof area: Not checked

Shading: low

Modelled energy

Consumption: 416.67 kWh/month

Potential solar generation: 257.4 kWh/month

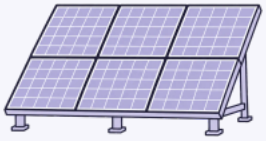
Direct self-use: 167 kWh/month

Unmatched potential: 91 kWh/month; no export income included

Avoided-energy value: PHP 2,000 per month under the stated assumptions

Avoided-energy value is not a forecast of a new utility bill. Fixed charges, hourly imports, local utility rules and actual use are not fully represented. Battery reserve is not counted again as additional recurring savings.

Equipment to compare.







Solar modules

5 illustrative 550 W modules. Panel example area 2.278 x 1.134 m; rough allocated area 16.15 m2 including a 25% planning allowance. Actual roof layout, access and structure remain unverified.

Inverter

3 kW planning class. Confirm phase, approved PV input range, battery compatibility, continuous output and appliance starting loads with the installer.

Battery storage

5.12 kWh nominal, using illustrative 5.12 kWh increments. This is a capacity class, not a selected or compatibility-approved product.

Balance of system

Ask for mounting, protection, isolators, earthing, installation labour, commissioning and warranty documentation in the quote. This report does not size wires, breakers or strings.

Essential loads

4 x LED lights: 10 W, 100% expected on-time; 2 x Electric fan: 50 W, 100% expected on-time; 1 x Wi-Fi router: 12 W, 100% expected on-time

Average selected load: 152 W

Requested backup window: 4 hours

Theoretical runtime: 24.3 hours, full starting battery and no extra loads

Appliance values are editable examples. Running watts, duty cycles, starting surges, battery output

Continued

limits, ageing and recharge conditions require confirmation.

What to confirm on site.

1. Usable roof area, orientation, shade, condition, structural capacity and safe access.

2. Actual bill kWh, daytime use, utility and service phase; available supply and meter details.

3. Which essential circuits should stay on, real appliance running and starting loads, and safe backup changeover.

4. Exact module, inverter and battery models, compatibility and manufacturer warranties.

5. Quoted inclusions: equipment, mounting, labour, delivery, permits, utility/net-metering processing and testing.

6. Quoted exclusions: structural work, long cable runs, service upgrades, unusual access and future battery replacement.

7. Installation schedule, payment terms, warranty claims, maintenance and after-sales support.

Assumptions and references.

Solarify model 2026-11-06.1. A simplified energy-first planning model, not PVWatts or an hourly engineering simulation.

Solar assumptions: 4 peak-sun hours/day; 0.78 combined performance ratio; shade factor 1; 0.8 hourly overlap factor

Storage assumptions: 0.8 usable fraction; 0.9 discharge efficiency

Budget heuristic: PHP30,000-75,000 per kWp; battery-capable allowance PHP20,000-40,000 plus PHP8,000-15,000 per nominal battery kWh. Only indicative for 2-10 kWp grid-connected scenarios.

JFL Solar: installed hybrid package

PHP460,000: 8.68kWp panels, 6kW inverter, 16kWh battery. Published package, not a Solarify partner offer.

https://www.jflsolar.ph/packages/6kw-hybrid-pv-system

Juansolar: published packages

Regular grid-tie prices: 3.15kWp PHP123,999; 6.3kWp PHP207,999. Expired promotions excluded.

https://juansolar.co/packages

NATIV Techniks: residential pricing

Published 5kWp PHP360,000, 7.5kWp PHP512,500. Scopes differ between providers.

https://nativtechniks.com/solar-panel-installation-for-home/

Meralco: net-metering

Import and export values differ. Solarify assigns no value to surplus generation by default.

https://www.meralco.com.ph/residential/energy-solutions/solar-and-renewables/solar-net-metering

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