



Electrack

Tracking energy. Powering tomorrow.

Complete User Guide — Version 1.2

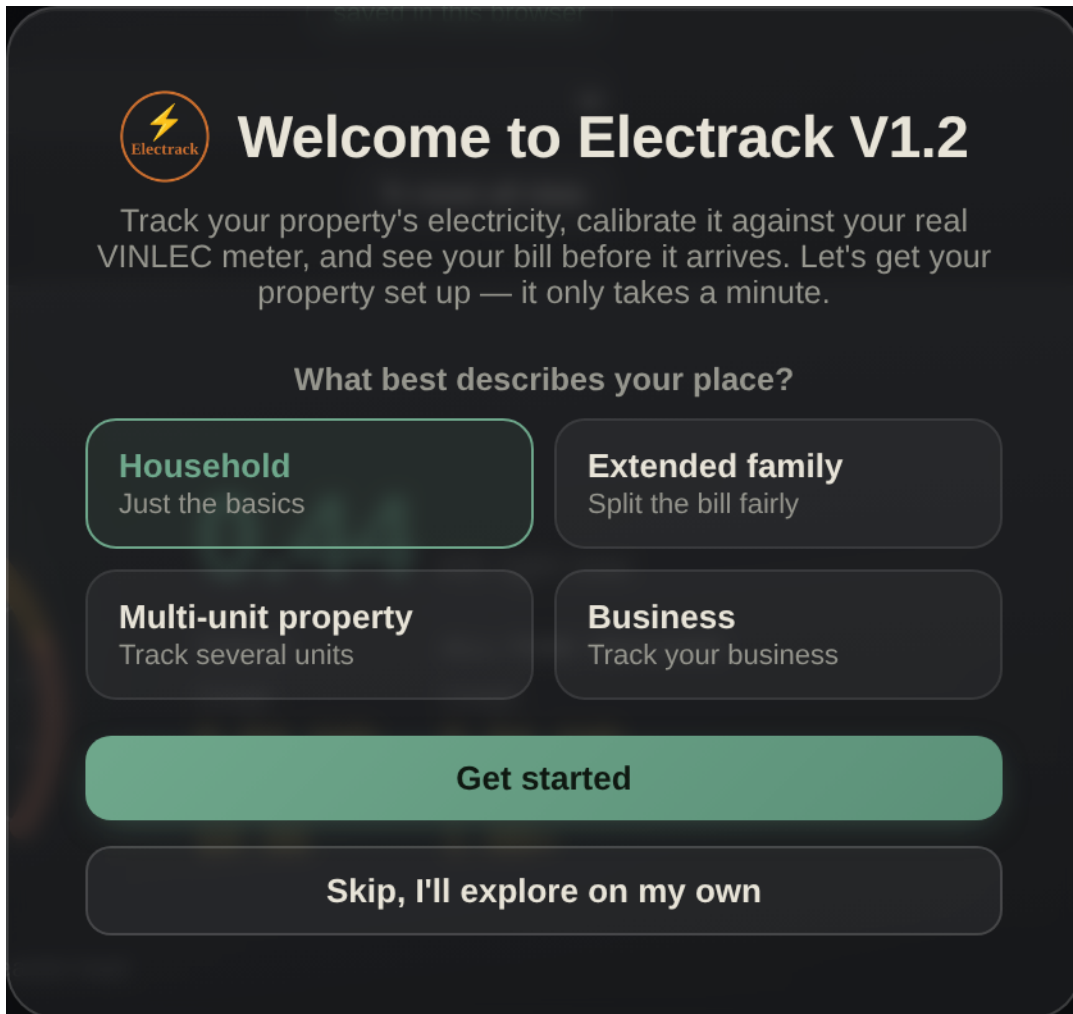
Track your property's electricity, calibrate it against your real VINLEC meter, and see your bill before it arrives. This guide covers every feature currently in the app, plus a plain explanation of how scheduling and pausing actually translate into real savings.

Contents

1. Getting started — choosing your property type
2. The live dashboard
3. How scheduling and pausing actually translate into savings
4. Your appliance list
5. Adding an appliance — from a model
6. Adding an appliance — quick entry
7. Editing an existing appliance
8. The summary report
9. Voice and text commands
10. The VINLEC bill calculator
11. The consumption projector
12. Calibrating an individual appliance
13. The 7-day calibration schedule
14. Daily consumption report
15. Weekly history
16. Energy-saving tips
17. The what-if calculator
18. Budget-based scheduling
19. Printing and sharing your schedule
20. Exporting and importing your data
21. Extended family — splitting a shared bill
22. Multi-unit properties
23. Header controls

1. Getting started

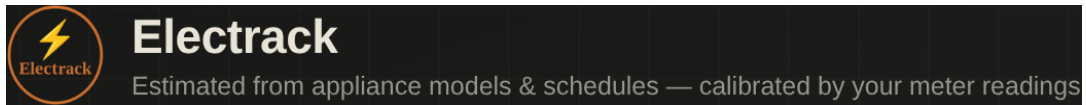
The first time you open Electrack, a short setup screen asks what best describes your place: a regular household, an extended family sharing costs, a multi-unit property, or a business. Most people should pick Household — the other options unlock features specific to those situations, covered later in this guide. You can change this choice at any time afterward without losing any data.



The setup screen — choose whichever best describes your place.

2. The live dashboard

The dial at the top shows your home's total electricity draw right now, along with today's usage, its estimated cost so far, and your current calibration factor — how closely the model has been tuned to match your real VINLEC meter.



The live dial, updating in real time.

3. How scheduling and pausing actually translate into savings

Every appliance's cost comes down to the same underlying formula: wattage, multiplied by how many hours it actually runs, multiplied by your electricity rate. Scheduling and pausing are simply two different ways of changing the middle term — how many hours — which is usually the easiest one to actually control.

A worked example, using a real air conditioner: a 1400-watt unit running 12 hours a day uses 16.8 kWh per day ($1.4 \text{ kW} \times 12 \text{ hours}$). Over a 30-day month, that's 504 kWh — and at a typical blended VINLEC rate, that alone can be several hundred dollars of the monthly bill, from one appliance.

Scheduling means permanently changing that appliance's configured hours. Trim the same AC from 12 hours a day down to 6, and the math scales directly: half the hours means half the kWh — 252 kWh instead of 504, a genuine, lasting reduction that shows up in every calculation in the app from that point forward, not just once.

Pausing means temporarily disconnecting something, with it automatically resuming at its next scheduled time — the same as unplugging something and remembering to plug it back in later, except Electrack remembers for you. If that same AC gets paused for 3 of its usual 6 hours today, today's tracked usage reflects only the 3 hours it actually ran, not the 6 the schedule assumes.

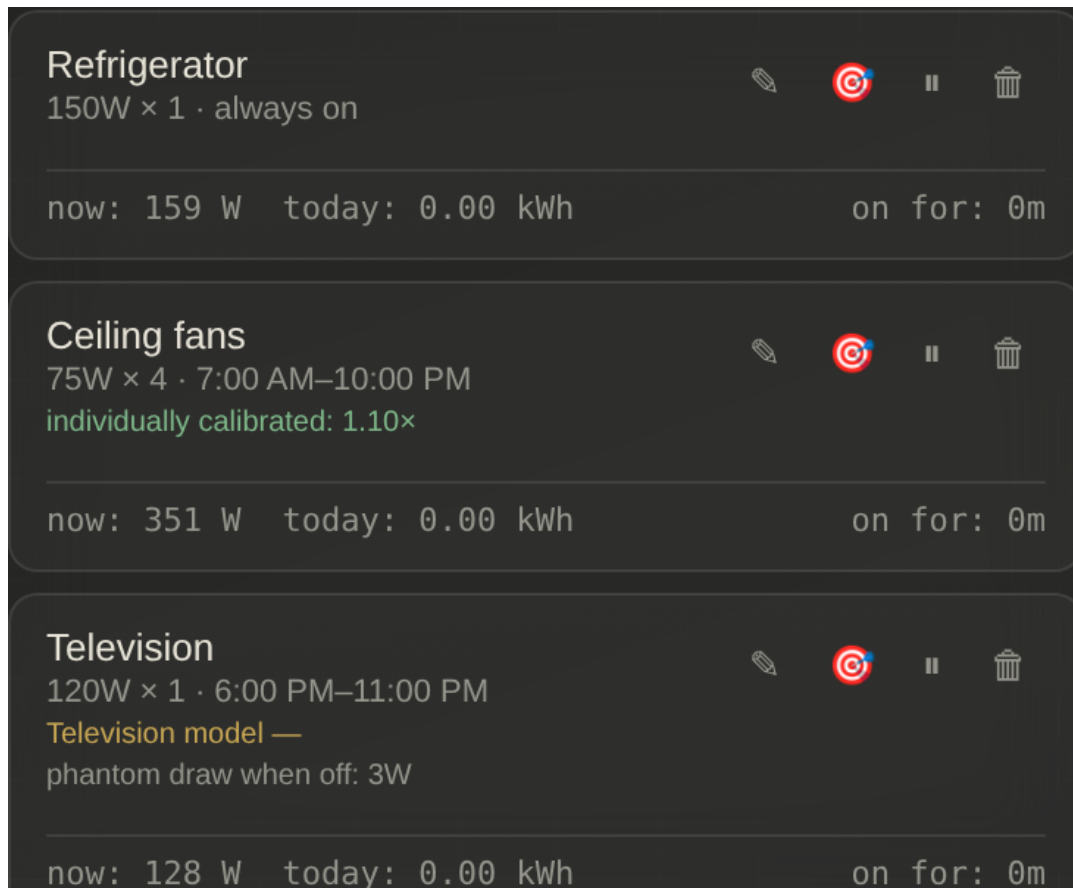
The key difference between them: a schedule edit is a permanent, deliberate change to what the appliance is configured to do — it shows up identically in every projection, every day, going forward. Pausing is a real, tracked, but temporary deviation from that schedule — captured in your actual tracked usage, but not changing what the appliance is configured to do afterward. Both genuinely reduce real consumption; they just operate at different timescales — one changes the plan itself, the other changes what actually happened on a given day without altering the plan.

This is exactly why the app deliberately shows both a schedule-based projection and a separately tracked figure side by side, rather than just one number — comparing them tells you whether your real day-to-day habits (including any pausing) are actually keeping pace with what you've configured, or quietly drifting

from it.

4. Your appliance list

Each appliance shows its own live wattage, today's usage, and how long it's been continuously on. Appliances with a small standby draw even while switched off show this as a "phantom draw when off" note. Pausing an appliance is a genuine, temporary disconnection — it automatically resumes the next time it would naturally switch on.



An appliance card, showing live stats and elapsed on-time.

5. Adding an appliance — from a model

Use "From model" to estimate an appliance's wattage from its real-world specifications, like an air conditioner's BTU rating. Pick a category, fill in the specifics, and Electrack estimates a realistic wattage, with a plain-language note explaining it.

Refrigerator

Capacity (cu ft)

18

Type

Top-freezer

Efficiency

Standard

 **34 W**
~0.81 kWh/day, compressor cycling averaged

Name (default: Refrigerator)

Label (optional, e.g. Bedroom, Kitchen) — tells apart applia

1

☐ always on

from

8:00 AM

to

6:00 PM

+ add another time period

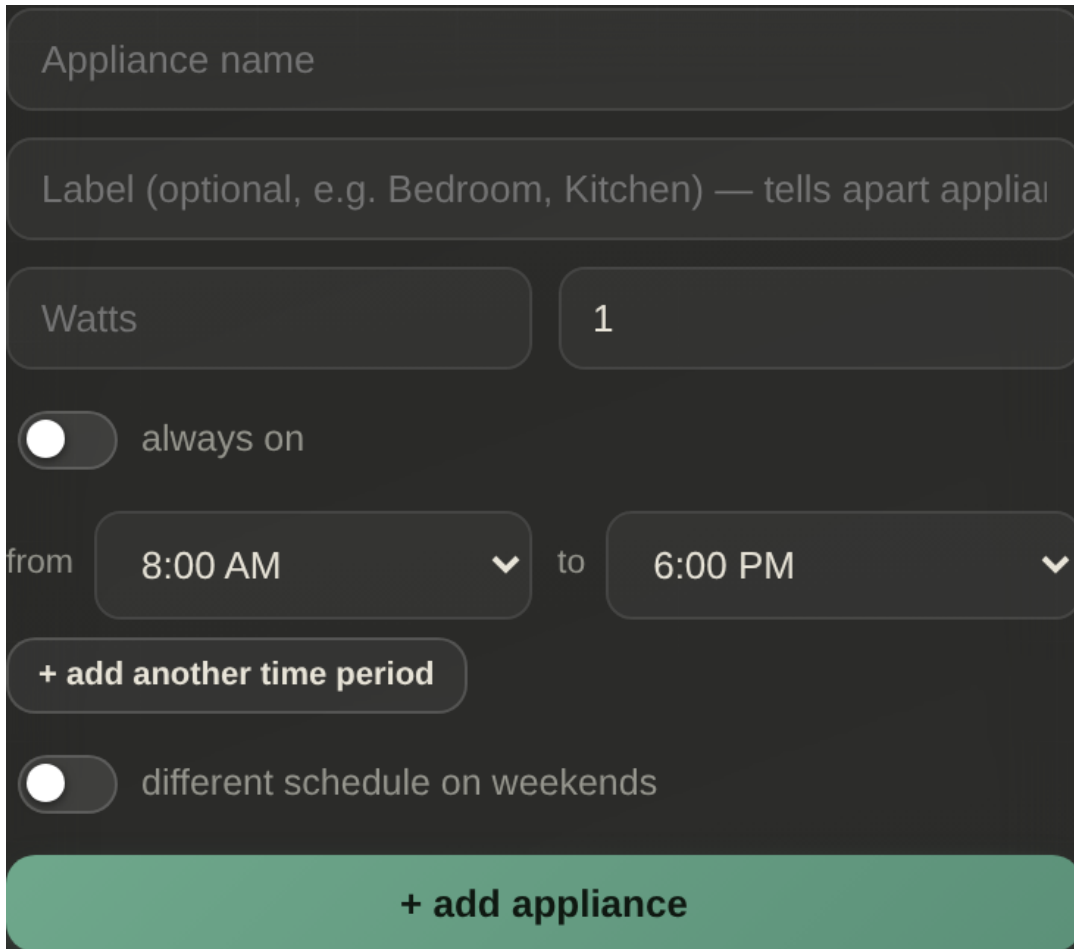
☐ different schedule on weekends

+ add from model

Adding an appliance from its real-world specifications.

6. Adding an appliance — quick entry

If you already know an appliance's exact wattage — from its nameplate or a plug-in power meter — Quick Entry skips model estimation and lets you enter it directly, along with its usual daily schedule.



The screenshot shows a dark-themed form for adding an appliance. It includes a text input for 'Appliance name', a text input for 'Label (optional, e.g. Bedroom, Kitchen) — tells apart appliances', a 'Watts' input with a value of '1', a toggle for 'always on', a time range selector from '8:00 AM' to '6:00 PM', a button to '+ add another time period', a toggle for 'different schedule on weekends', and a large green button at the bottom labeled '+ add appliance'.

Appliance name

Label (optional, e.g. Bedroom, Kitchen) — tells apart appliances

Watts 1

☐ always on

from 8:00 AM ▼ to 6:00 PM ▼

+ add another time period

☐ different schedule on weekends

+ add appliance

Quick Entry — for when you already know the exact wattage.

7. Editing an existing appliance

Tap the pencil icon on any appliance's card to edit its name, label, quantity, or schedule — without losing its accumulated history or calibration. Wattage and category can't be changed here on purpose: if your modeled estimate doesn't match reality, that's what the calibrate button is for, not a direct wattage edit.

A genuine change to the schedule or quantity is treated the same way as adding or removing an appliance — it resets how far back tracked averages look, so a schedule you just changed isn't dragged down or up by days that no longer reflect it. Renaming or relabeling something doesn't trigger this, since it doesn't affect consumption.



Edit appliance

Wattage and category can't be changed here — if your modeled estimate doesn't match reality, use the calibrate button instead. Everything else is fair game.

Air conditioner

Bedroom

1 

☒ always on

from

12:00 PM 

 to

5:00 PM 

+ add time period

☐ different schedule on weekends

Save changes

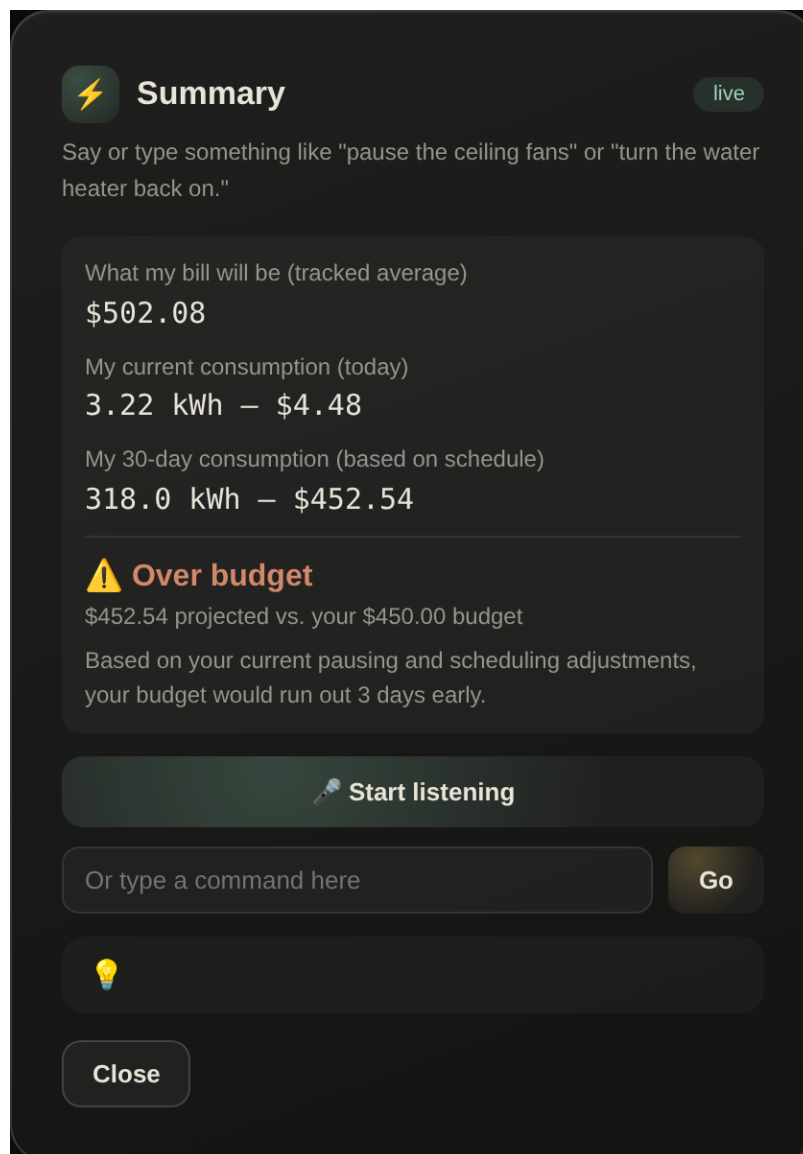
Cancel

Editing a schedule directly, without losing history or calibration.

8. The summary report

Tap "summary" in the header to see four things at a glance: what your bill will be based on your real tracked average, today's consumption so far, your 30-day projection based purely on your configured schedule, and — if you've set one — whether you're within your monthly budget.

If the schedule-based figure shows you over budget but your real tracked habits (including any pausing) are keeping you under it, the report says so directly — crediting both your pausing and any recent scheduling adjustments as the reason, and estimating how many days under or over budget your current real habits would put you, compared to a plain 30-day month.



The summary report — bill, consumption, projection, and budget status together.

9. Voice and text commands

Below the summary figures, the same panel lets you pause or resume appliances by typing or speaking — "pause the ceiling fans" or "turn the water heater back on." If your device supports it, a microphone button appears; either way, typing works identically and reliably, since speech recognition support varies meaningfully across devices and browsers.

10. The VINLEC bill calculator

Every rate here — fuel surcharge, tier thresholds, VAT — is editable; check your latest VINLEC bill for current figures, since these change over time. The "use tracked average" button fills in a real, recent estimate for you, and now tells you exactly what it's based on — either your last several tracked days, or an honest note that it's an early, rough estimate if there isn't a full day of stable data yet.

 **VINLEC bill calculator**

All figures below are editable — check your latest VINLEC bill or [VINLEC's monthly fuel surcharge page](#) for current rates, since these can change over time.

Tier 1 threshold (kWh/month)	Tier 1 rate (\$/kWh)
50	0.43
Tier 2 rate (\$/kWh, above threshold)	Fuel surcharge (\$/kWh)
0.5	0.7378
Fixed monthly charge (\$)	VAT rate (%)
0	16
VAT-exempt (kWh/month, 0 if none)	
0	



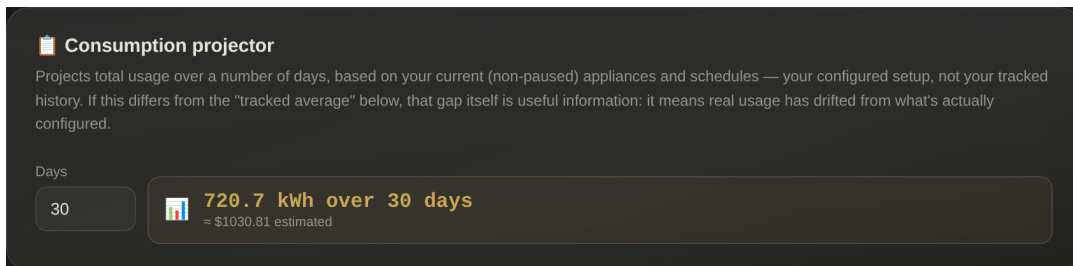
use tracked average

Tier 1 (0.0 kWh × \$0.43)	\$0.00
Tier 2 (0.0 kWh × \$0.50)	\$0.00
Fuel surcharge (0.0 kWh × \$0.7378)	\$0.00
Fixed monthly charge	\$0.00
VAT (0.0 kWh exempt, 0.0 kWh taxable @ 16%)	\$0.00
Estimated total	\$0.00

The bill calculator, with its basis for the tracked-average figure shown directly.

11. The consumption projector

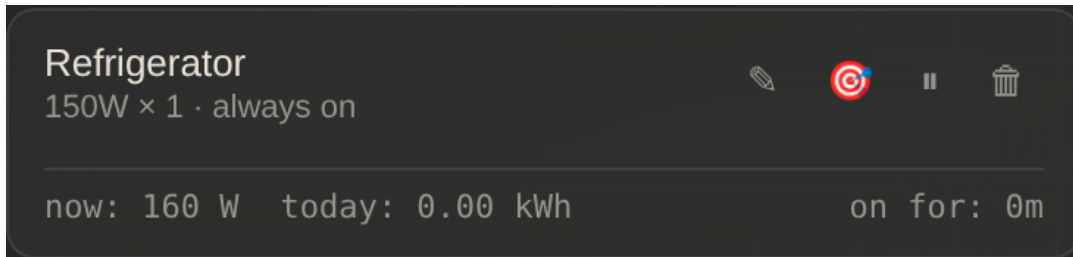
This projects usage purely from your configured schedule — not your tracked history — over any number of days you choose. It's a clean, immediate reflection of what your current setup implies, useful for testing "what if" changes before committing to them. If this figure and the tracked-average figure elsewhere in the app pull apart meaningfully, that gap itself is informative: it means real habits have drifted from what's actually configured.



Projecting usage purely from your current, configured schedule.

12. Calibrating an individual appliance

If one specific appliance's real consumption differs from its modeled estimate, tap the target icon on its card. Pause every other appliance first, wait a fixed period, read your real VINLEC meter at the start and end, and enter the measured total watts in the form that appears. Electrack calculates and stores a calibration factor specific to that appliance alone.



Calibrating a single appliance against a real, isolated measurement.

13. The 7-day calibration schedule

For calibrating your whole home at once, Electrack suggests a 7-day rotating schedule of which appliances to isolate and measure on which day, prioritizing your biggest, least-certain loads first.

⚙️ Calibrate with a real reading

Enter the kWh reading from your actual electric meter. The app compares it against what it predicted and adjusts a calibration factor so future estimates get closer to reality. Below is a rolling 7-day schedule (real calendar days, not the simulated clock) suggesting exactly when to read next, built from your appliances' actual on/off times — each day isolates a rotating "focus" appliance (biggest consumers first), so reading right when it switches on or off means the kWh change since your last reading should mostly reflect that one appliance. Logging a reading automatically marks the current suggestion complete and advances to the next one.

0 of 21 suggested readings logged this week.

Fri, Jul 17 WEEKDAY

5:00 AM

Baseline reading
Capture load before today's scheduled appliances turn on — feeds the overall calibration regardless of the rest below.

Log a reading below to mark this done and move to the next suggestion.

Meter reading (kWh)

Next
⌂ log reading

No readings logged yet.

A suggested weekly rotation for calibrating your whole home.

14. Daily consumption report

Every day's usage, cost, and peak demand gets logged automatically, so you can compare any given day against others.

July 17

Daily consumption report

A new row is logged automatically each time the clock rolls to a new day (fast-forward demo mode rolls over every ~4 minutes so you can see this build up quickly). Only the most recent 7 days keep full per-appliance detail — older days are automatically rolled up into weekly summaries below, so this list doesn't grow forever.

↓ export full history as CSV

🖨️ print report

📱 share to WhatsApp

▶

Wed Jul 15 10.80 kWh \$6.61
2026

peak 4.70 kW

▶

Tue Jul 14 12.40 kWh \$7.60
2026

peak 5.10 kW

▶

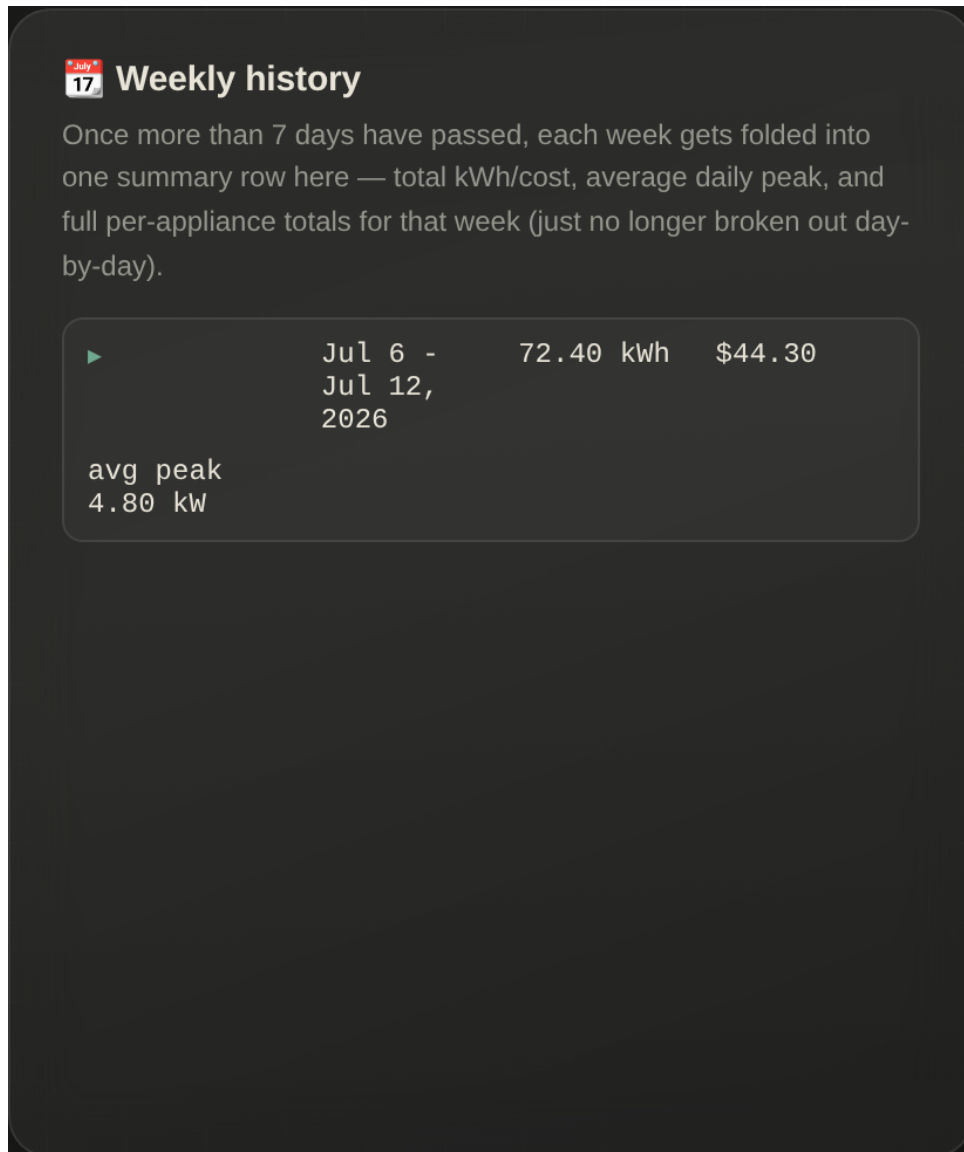
Mon Jul 13 11.20 kWh \$6.85
2026

peak 4.90 kW

A day-by-day breakdown of usage, cost, and peak demand.

15. Weekly history

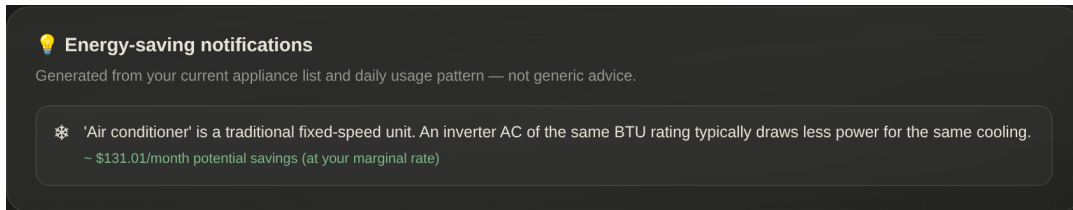
Once more than a week of daily history accumulates, it rolls up into weekly summaries — total usage, total cost, and average peak demand.



Weekly totals, rolled up automatically from daily history.

16. Energy-saving tips

Generated from your own actual appliance list and usage pattern, not generic advice. If an older, less efficient appliance is driving a meaningful share of your bill, Electrack says so specifically.



Tips generated from your actual appliances, not generic advice.

17. The what-if calculator

Toggle individual appliances on or off to see how much they'd actually change your bill — useful for deciding whether replacing or retiring something is really worth it.

 **What-if calculator**

Toggle appliances off, or try a different quantity (e.g. 3 lights instead of 6), to see the effect on projected daily and monthly cost — without touching your real tracked setup above.

☒

Refrigerator (real qty 1)

1

☒

Ceiling fans (real qty 4)

4

☒

Television (real qty 1)

1

☒

Air conditioner (real qty 1)

1

BASELINE / DAY

23.92 kWh

SCENARIO / DAY

23.92 kWh

CHANGE / MONTH

\$0.00

marginal rate

Testing a scenario before actually making any change.

18. Budget-based scheduling

Set a target monthly budget, and Electrack suggests specific, discretionary reductions — which appliances, and by how much — that would close the gap to your target. These are suggestions only, deliberately not something the app applies automatically with one click: understanding and manually adjusting your own schedule, using the edit feature, is the intended path, rather than accepting automated changes you haven't reviewed.

 **Budget-based schedule**

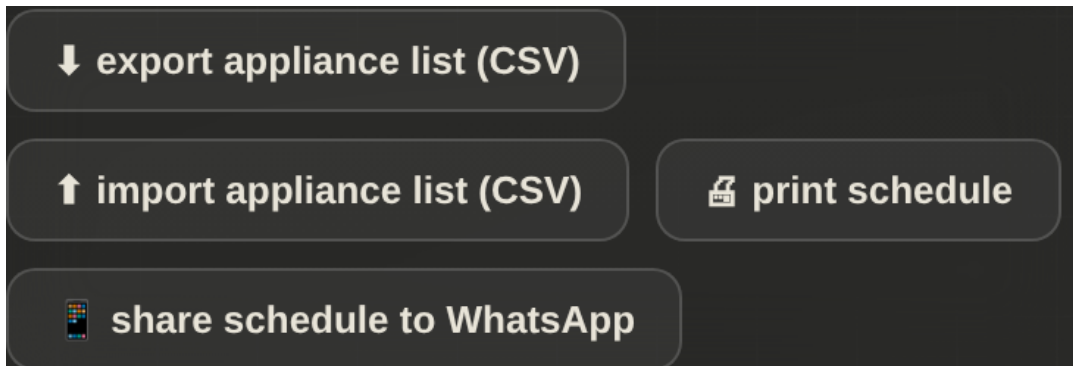
Enter a target monthly budget. The app works out how many kWh that buys at your current bill rates, compares it to what your appliances are projected to use, and — if you're over — suggests trimmed hours for the most discretionary appliances first (lighting, electronics, fans, AC, etc). Refrigerators/freezers and short-cycle appliances (washer, dryer, dishwasher, oven, microwave) are left untouched.

generate schedule

Suggested reductions — informational, not applied automatically.

19. Printing and sharing your schedule

Two buttons above your appliance list let you print a clean, readable schedule — just each appliance and its hours, not the whole app — or share the same information directly to WhatsApp as plain, readable text, distinct from the raw CSV export below, which is meant for re-importing data rather than reading.



Print or share your schedule as plain, readable text — not a data file.

20. Exporting and importing your data

Export your full appliance list and history as a CSV file for backup or moving to a new device — every setting, including standby wattage and household-specific fields, is preserved on re-import.

21. Extended family — splitting a shared bill

Choosing "Extended family" at setup lets you tag each appliance to a specific person, or mark it as common and split evenly. Electrack computes each person's fair share of the real bill, based on their actual modeled proportion of the household's total usage.

Each person's share	
Alice (88% of usage)	\$0.00
Bob (12% of usage)	\$0.00

Each person's fair share, computed from their actual modeled usage.

22. Multi-unit properties

Choosing "Multi-unit property" groups your appliance list by unit, with each shown as its own expandable section — useful for a small apartment building or several rentals.

Let's add your first appliance

Appliances & schedule

From modelQuick entry

Refrigerator

Capacity (cu ft)18TypeTop-freezer

EfficiencyStandard

34 W
-0.81 kWh/day, compressor cycling averaged

Name (default: Refrigerator)

Label (optional, e.g. Bedroom, Kitchen) — tells apart appliances

Unit 1

1

always on

from 8:00 AMto 6:00 PM

+ add another time period

different schedule on weekends

+ add from model

export appliance list (CSV)

import appliance list (CSV)print schedule

share schedule to WhatsApp

▼ Unit 1 (1 appliance)

AC
1400W × 1 - always on

now: 0 Wtoday: 0.00 kWhon for: —

▼ Unit 2 (1 appliance)

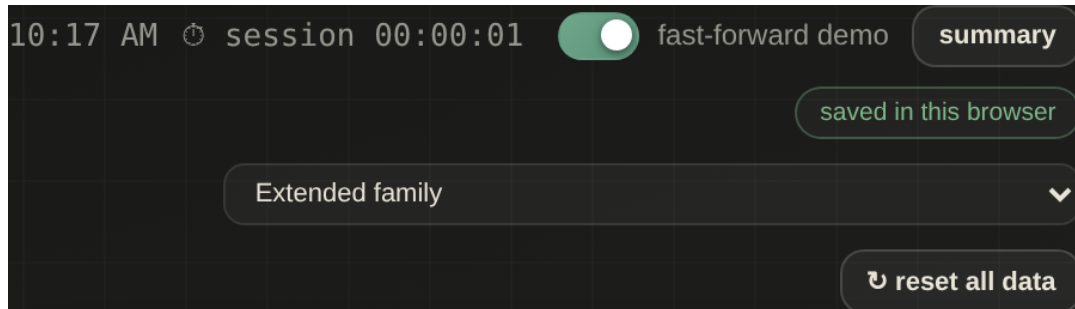
Fridge
150W × 1 - always on

now: 0 Wtoday: 0.00 kWhon for: —

Appliances grouped by unit, each expandable independently.

23. Header controls

The header holds a fast-forward toggle for previewing how the day will look before it's over, a dropdown to change your household type at any time, and a reset button for starting completely fresh.



The header — fast-forward, household type, and reset.