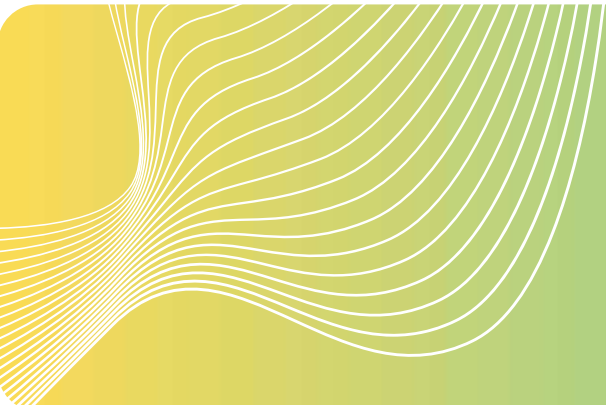




The Smart Home Battery Guide 2026

How to choose the right battery size, brand & setup, **without overpaying.**

A decorative graphic on the left side of the footer banner, consisting of several white wavy lines on a yellow-to-green gradient background.

Smarter Energy Decisions
Step by Step towards a zero carbon future



Most People Ask the Wrong Question

It's not: "Do I need a battery?"

It's: "Am I choosing the right
size for the next 10-15 years?"

- ⚡ Electricity prices are rising.
- ⚡ Free power windows are changing usage patterns.
- ⚡ EVs and electrification are increasing demand.



Your battery decision today
affects your energy bills for
the next decade.

Undersizing costs more long
term than oversizing slightly.

How a Battery Reduces Your Bill

1

Avoid Peak Power
(40–50c/kWh avoided)

2

Store Solar Instead of
Exporting Cheap
(FIT 5–10c vs use at 40c)

3

VPP Participation
(GloBird Zero Hero +
future grid trading)



The more expensive grid power becomes,
the more valuable stored energy becomes.



Free Power Changes Battery Strategy



Many retailers now offer:

- 11am–2pm free power
- Bonus feed-in tariffs
- VPP programs

This means batteries can:

- Charge from solar
- Charge from grid during free window
- Discharge at peak rates



Batteries are no longer just storage, they are energy management tools.

Battery Size Guide

Daily Usage vs Recommended Size

Daily Usage	Recommended Battery	Typical Household
10-18 kWh	15-20 kWh	Small homes
18-30 kWh	24-32 kWh	Most families
30-45 kWh	40-50 kWh	EV / All electric
45+ kWh	50 kWh+	Large homes



Your battery should cover your NIGHT usage, not just average daily usage.

“CAN A 6.6KW SOLAR CHARGE A 40KWH BATTERY?”

Big Battery + Small Solar?

Yes! **but with strategy.**



It won't fully charge daily, But it provides:

- ⚡ Backup duration
- ⚡ VPP income
- ⚡ Future expansion flexibility
- ⚡ Lower cycling stress



Slight oversizing is safer than undersizing.

BRAND TIERS



Premium - Sigenergy

- Modular 8kWh design
- 3-phase backup capable
- AI optimisation
- Clean slim look
- Future-ready system

Best for: **Large homes, EV, full electrification**



Mid-Range - GoodWe

- Modular stack system
- Reliable hybrid inverter
- Slim garage-friendly design
- Strong performance value

Best for: **Most family homes**



Budget - FoxESS / Growatt

- Cost-effective solution
- Basic backup options
- Reliable entry-level

Best for: **Price-sensitive upgrades**

Will a Bigger Battery Wear Out Faster?

No.



Lithium batteries prefer:

- Shallow cycles
- Stable temperature
- Smart management

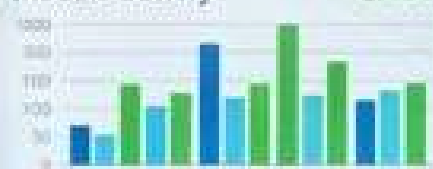
A larger battery:

- Cycles less deeply
- Handles load easier
- Often lasts longer



Electricity
Present: \$7.50
Future: \$2.00

Module Battery \$/KWh



Energy Prices Are Not Going Down

If power rises **5-10% yearly**:



A properly sized battery:

- ⚡ Increases annual savings
- ⚡ Improves ROI
- ⚡ Protects against volatility



Batteries are protection against future price shocks.

ROUGH SIZING CHECKLIST



- ☐ EV now
- ☐ EV in next 3 years
- ☐ Removing gas
- ☐ Adding heat pump
- ☐ Ducted reverse cycle
- ☐ High night usage
- ☐ 3-phase home

If 3+ are ticked → **40 kWh+ recommended.**



Why **Timing Matters**

- ⚡ **STC factors are reducing**
- ⚡ **Battery incentives taper over time**
- ⚡ **Installation availability fills quickly**

Waiting doesn't usually make systems cheaper.



What Happens Next?

Reply with:

- Your average daily usage
- Single or 3-phase
- EV plans (Yes/No)
- Preference: Premium / Mid / Budget

We'll recommend the right size, not the most expensive one.

CONTACT

1800 00 ZERO (9376)

EMAIL

sales@zeroenergygroup.com.au

WEBSITE

www.zeroenergygroup.com.au

Step by Step towards a zero carbon future