

# Battery modes

We will set your battery into one of the following states:

- Charge (from grid and/or solar) - This charges your battery at full speed. Unless there's lots of solar generation, this will import from the grid.
- Discharge (to grid and/or home) - This discharges your battery at full speed. Unless the home is using a lot of energy, this will export to the grid.
- Store solar or cover usage - The battery charges if there's excess solar, or discharges if there's excess usage.
- Charge from solar - If there is more solar generation than home usage, the excess goes to the battery.
- Cover usage - If there is more home usage than solar generation, the battery discharges to cover it.
- Do nothing - The battery doesn't charge or discharge.

If you'd like some more help, please email us at [hello@smug.energy](mailto:hello@smug.energy)

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