

# Deep cycle battery types

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For those seeking more personalised information or considering the integration of deep cycle batteries into their sustainable energy solutions, exploring free solar quotes from Energy Matters could provide valuable insights tailored to your specific needs.

In the context of renewable energy, batteries usually refer to deep cycle batteries, such as the Deep Cycle AGM Battery, which are designed specifically for cycling (discharge and recharge) often.

A deep cycle battery is a type of battery that is designed to provide a consistent amount of power over an extended period of time. Unlike other types of batteries, such as car batteries or starting batteries, deep cycle batteries are designed to be discharged and recharged repeatedly without damaging the battery. In Australia, deep cycle batteries are commonly used in various applications, including solar power systems, marine applications, and RVs.

While Flooded, AGM deep cycle batteries and gel batteries are used most frequently in off-grid scenarios, next generation lithium-ion battery systems will experience significant uptake among grid-connected households in Australia - and off-grid too.

Flooded lead acid batteries, or wet cells, are the oldest type of rechargeable battery still in use. This type of battery contains a liquid in an unsealed container. This means that the battery must be upright and in an area with good ventilation to ensure the safe dispersal of the hydrogen gas that the batteries produce during overcharging. The lead-acid battery is also very heavy for its supply of electrical energy.

Flooded lead acid batteries require period monitoring and topping up with distilled water. Despite these disadvantages, flooded batteries have high surge currents, are easier to troubleshoot, and are relatively inexpensive.

Energy Matters has been a leader in the renewable energy industry since 2005 and has helped over 40,000 Australian households in their journey to energy independence.

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