

FAQ

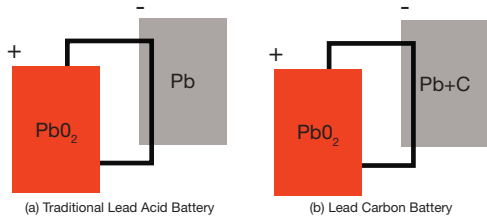
WHAT IS LEAD CARBON TECHNOLOGY?

Traditional lead acid battery is made up of positive (lead oxide) and negative plates (lead).

Lead carbon technology is AGM lead acid that incorporates a carbon additive layer onto the negative plate (also known as cathode). The PowerHouse Carbon+ carbon mixture contains activated black carbon, graphite, and carbon black.

Lead carbon technology was introduced to address the main culprit of lead acid premature aging, sulfate accumulation or sulfation. Effectively, this makes an ideal solution for leisure and solar application where the battery regularly sits on a partial state of charge. There are other benefit of carbon:

- 1) higher surface area = higher charge acceptance = higher efficiency;
- 2) Less shedding = higher cyclic output;
- 3) resistance to sulfation = longer service life



HOW LONG IS THE WARRANTY?

PowerHouse Carbon+ comes with a 36 month warranty for leisure applications and a 24 month for solar applications.

Other applications will be covered under a 24 month warranty subject to the warranty conditions.

WHAT DEFINES LEISURE AND SOLAR APPLICATIONS?

Our definition of leisure: 4WD, caravan, campervan that may involve small solar setup.

Low cycle - Infrequent use.

Our definition of solar: solar pump and solar off grid/ hybrid system.

Medium to heavy cycle - Everyday use.

IS THE CHARGING PARAMETER DIFFERENT TO STANDARD AGM DEEP CYCLE?

PowerHouse Carbon+ is essentially an AGM battery with carbon enhancement. You can leave your charger settings as AGM.

HOW IS POWERHOUSE CARBON DIFFERENT TO OTHER LEAD CARBON OFFERINGS IN THE MARKET?

There are other offerings of lead carbon in the market, often catered to the energy storage market for renewable energy.

Each manufacturer has different ratios of carbon mixture in their product design to achieve varying battery performance output. PowerHouse Carbon+ range is curated for leisure and small to medium solar set up with enhanced cyclic performance, the benefit of carbon to prevent sulfation, and longer warranty for peace of mind at a friendly price point.

PowerHouse Carbon+ recovery performance is verified at our Melbourne test facility and passed our partial state of charge simulation test regime.