amp CLEAN ENERGY

BATTERY BOX

FAQ's

What is Battery Box?

Battery Box is essentially a battery, similar to those in the phones and portable devices that we carry around in our pockets.

The batteries charge up by taking electricity from the local network when there is excess wind and solar power on the system. The battery then discharges (exports) electricity back to local network when there is not enough low carbon power to meet demand.

Each fully charged Battery Box has enough electricity to power approximately 200 homes for 4 hours.

When does it operate?

A Battery Box normally charges overnight when there is excess wind power compared to demand for electricity. It discharges back to the electricity network in the early evenings (typically 16:00-19:00) when demand for electricity is at its highest. However, this can depend on the season and prevailing weather conditions.

What does it look like?

Each Battery Box is approximately the size of 2 car parking spaces surrounded by a 2m fence. It has a similar appearance to the substations and telecommunication kiosks that you walk past every day.

Why do we need Battery Box?

The way we generate and consume electricity is changing; we are replacing old coal and gas fired power stations with wind and solar farms. Whilst wind and solar power are excellent at producing low carbon electricity, it is not always sunny or windy enough to match demand – for example a cold, still winter evening.

Energy storage allows low carbon energy to be captured and stored when it is abundant, and used when it is needed most, regardless of the weather.

What are the benefits of Battery Box?

Battery Boxes:

1

Help Tackle Climate Change

Help tackle climate change and support reaching the UK's Net Zero targets by enabling low carbon electricity to be utilised even when it's not windy or sunny. Each battery box is expected to save approximately 160 tonnes of carbon each year

2

Support UK Energy

Support UK energy independence by reducing our reliance on imported finite fossil fuel sources

3

Support Local Networks

Support local networks by providing resilience and increasing the peak capacity of the local network

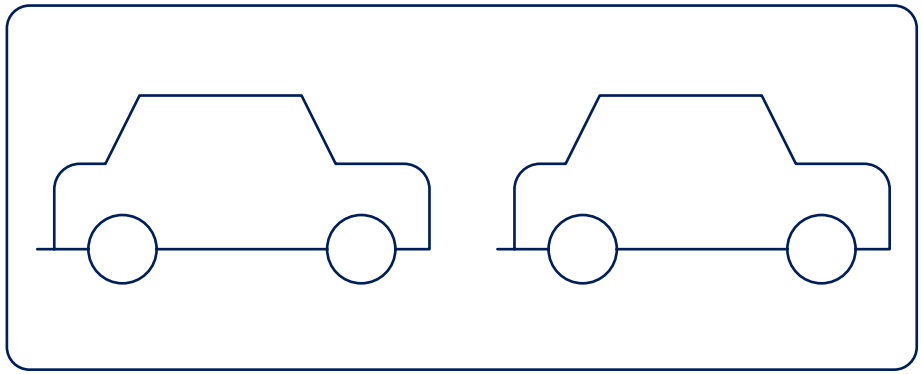
In addition to this, landlords can receive a regular index linked rental income or an upfront payment, as well as doing their part for climate change.

Why work with AMP?

AMP are a distributed energy business providing flexible solutions that decarbonise heat and electricity networks. AMP have been developing flexible electricity network solutions for over 10 years and have over 160 operational sites across the UK.

How will it impact me/my land/my business?

Battery Boxes have a very small footprint. Once installed they are operated remotely and only visited infrequently for maintenance work. We secure our own electrical connections so they will not impact your electricity supply. The projects have minimal impact on your land, though some landlords ask for us to advertise the sustainability benefits of Battery Box on their site(s) and we are happy to explore this option with you.



What is a Letter of Authority (LOA)?

To connect the Battery Box to the electrical networks we must ensure the local network has the capacity to support our connection. We do this by submitting a connection application to the local electricity network operator (sometimes referred to as a DNO).

To make the application we require the landlord to sign a Letter of Authority (LOA). Once the LOA is provided, AMP makes the application and will have confirmation that a new connection is viable within 90 days.

The LOA does not give AMP any legal rights over your property, it is just consent for us to discuss the project with the electricity network.

What is the lease term?

AMP are seeking a 30-year lease for Battery Box projects. This is important as it ensures the project can provide the environmental and electrical benefits to 2050 and beyond.

What if I want to sell my land?

If you sell your land before the end of the Battery Box lease term, then the new landowner would automatically take on the Battery Box lease, including the rent and other benefits. For most the guaranteed income will be seen as a benefit to buying the property. This is the same as with other utility assets such as substations, telephone masts and gas kiosks.

What happens if you need to move us?

If you need to move us due to unforeseen development on your land, our lease includes a 'Lift and Shift' clause, meaning you will be able to move us elsewhere on your site.

What will I receive in return?

In return for hosting one of our battery boxes on your land we can offer you, as our landlord, either

£1,000

Rent per year (index linked)

or

£10,000

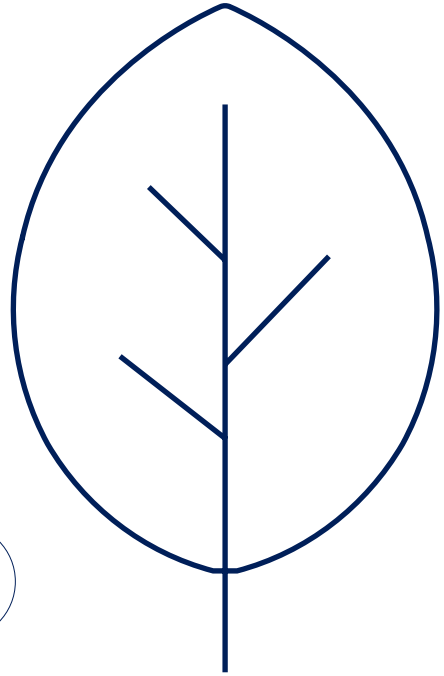
Upfront payment

How long do they take to build?

The total installation time for a battery box project is very quick. We have a typical turnaround of around 4 weeks.

Will I benefit from the electricity directly?

The batteries will only be able to be connected into the local networks and not your property directly. However, the presence of the batteries within your local area will help strengthen the electricity network and allow further connections.



In addition, you will be playing a huge role in tackling climate change