

Holloway BESS



Noise impacts of the BESS

How noisy will the BESS be?

Battery energy storage systems (BESS) are generally quiet. The primary sources of noise in a BESS are the fans used to keep the battery and inverter systems cool. How much noise from a BESS a person may hear depends on the power levels of the fans, how far away they are from the noise source, the topography of the area, the ground type, background noise, air absorption and weather conditions.

A detailed noise assessment will be completed as part of the environmental approvals process. Where noise is found to be significant, SynCo Global is required to change the design of the project to reduce noise impacts, or install noise-reducing features like sound barriers.

Common sources of noise

Sound is measured in decibels (dB) and tell us how strong or intense a sound is. The higher the number, the louder the sound.

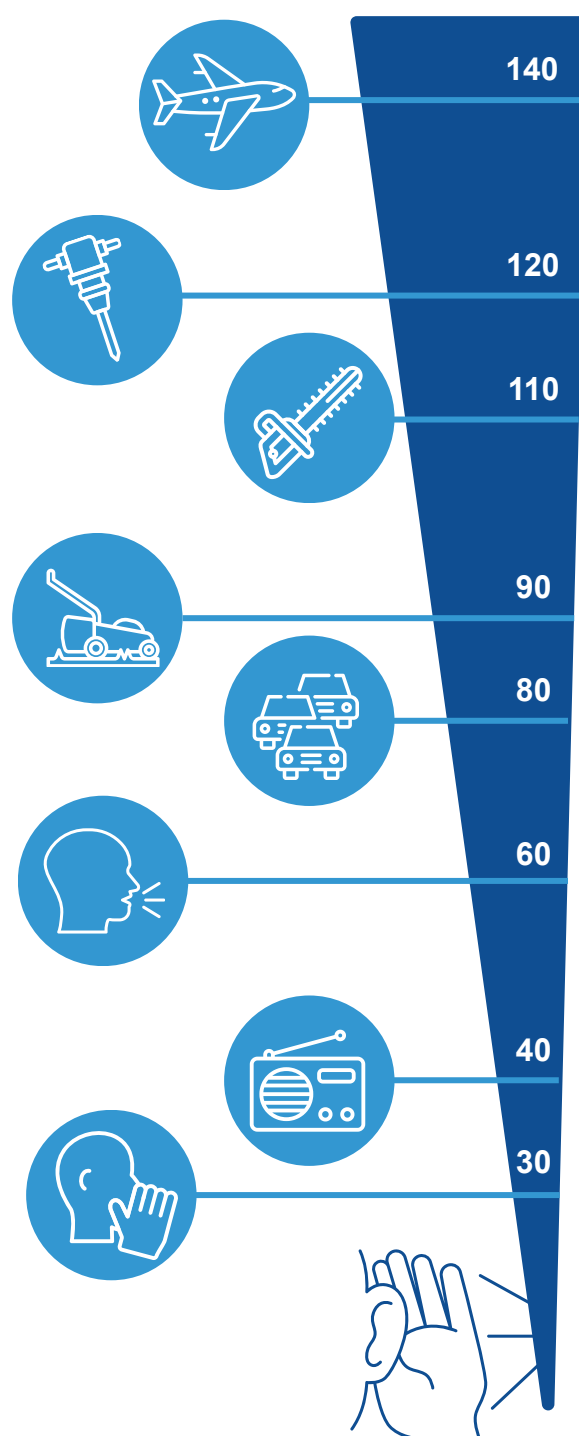
The decibel scale is logarithmic, meaning each increase of 10 dB sounds roughly twice as loud to our ears.

The quietest sound a healthy ear can detect is 0 dB(A).

Normal conversation, office noise, or light traffic is between 50-60 dB(A). Comfortable and safe.

85 dB(A) is the level where hearing protection is recommended for long exposure. It is often the limit for safe workplace noise. Heavy traffic is about 80 dB(A).

The 'A' in dB(A) stands for A-weighted. It means the sound level has been adjusted to match how the human ear actually hears.



Source: Safe Work Australia www.safeworkaustralia.gov.au/safety-topics/hazards/noise