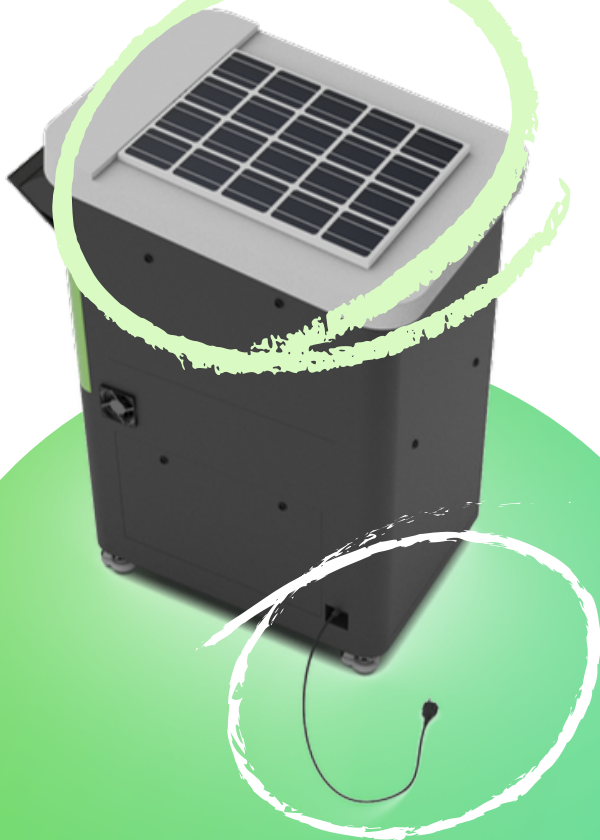


Grid or Solar? Your choice

B-BOX is an integrated, automated solution designed to optimize insect farming and boost its ability to process organic waste efficiently.

It can run on either AC power (110V or 220V, using 1.5 kWh per day) or solar energy, and operates on a net-zero model by relying on renewable power sources.



Dispose, shred, feed, fertilizers

B-BOX enables users to dispose of various types of drained organic waste - including bones - into its built-in shredding system, which processes the waste before transferring it to the insect feeding chamber.

The larvae produce frass-based fertilizer, serving as a natural alternative to chemical fertilizers and reduces over 96% of CO2 emissions.



A one-stop insect farming solution

An insect farming system offers a nature-based, circularity approach to organic waste management, transforming waste into resources while contributing to net-zero targets.



Automation & Quantification

B-BOX is equipped with IoT environmental sensors and a ventilation system to optimize larvae feeding conditions. The feeding chamber features a patented flip-over mechanism that allows larvae to be flipped upward to consume waste at the top.

Integrated electricity and weigh sensors ensure accurate data collection for calculating energy consumption and bioconversion efficiency.



B-BOX DASH, real-time status

B-BOX DASH provides real-time visualization of device location, sensor data, and GHG reduction performance, helping users monitor and optimize operations efficiency.

It tracks key metrics such as power usage, waste input to support accurate performance assessment and system optimization.

All data is aligned with the Product Carbon Footprint (PCF) methodology under ISO-14067:2018, enabling reliable GHG calculations for sustainability reporting and compliance.



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**A revolutionary
insect farming
experience**

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