Bioo

Electricity from Plants' Photosynthesis

Bioo Pass

Brochure

2017

Who are we?

Bioo is a pioneering clean-tech company that develops and commercialises a unique system able to generate electricity from plant's photosynthesis in a competitive and sustainable way. Our team is composed by experts in the fields of nanotechnology, chemistry and engineering; all of us are truly compromised with the environment and enthusiastic about improving the planet.

Our Technology

Bioo's technology for the generation of electricity from plants is based on a biological engine (PMFC) that obtains energy from the decomposition of carbon-based organic substances by bacteria. These substances are naturally expelled by plants, no harm is made to any living organism. Electrons are directly obtained from the rhizosphere of the roots, creating a current with electrodes in the system. H2O is obtained as a subproduct from the hydrogen expelled in the process when combined with the outside oxygen; producing not only electricity from the soil but also pure water.

Contact Info

info@bioo.tech

Log in
to your wifi
like never
before

no apps

no password

Just Instant

Characteristics

Green Footprint
The energy required to light the system is produced from the plant, without damaging it, only using its expelled substances.

Full Security
No risk of contamination, works with natural soil. No electrical risk, low currents and no external emissions.

NFC Conectivity
Any new generation Android and all other NFC open devices can interact and program the pot if allowed. Approach a device to log in or configure the settings.

Plant Light
The energy produced by the plant is acumulated and used to light its wifi icon every time the detector senses a valid device neraby.

Fully Configurable
Instant wifi access, automatic url forwarding, and securing your pot with a password for every new configuration. Rewrittable and compatible with any NFC app in the market.
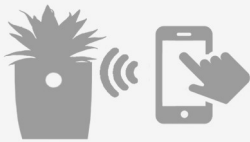
User Friendly
Simply bring close a phone to the sensor and enjoy. Apps are only used to configure it. NFC should be active in the phone during any process.

Black

White

Configure your pot from an external phone. Settings can be introduced through an app or in the wifi screen with NFC mode on. Approach your phone to the pot and it will be automatically configured

Any valid phone you bring close to the pot will make it lighten. The NFC mode should be active in the phone.

Do you wish to connect to the wifi?

Press ok and you'll be fully logged in.

Specific
Data

>

Specifications

Fully Programable

Not only automatic wifi password for wifi access. Save a web page to redirect instantly any device that logs in.

Open Source

Adapts to any app in the market to configure its settings. Protect your pot with an extra password or any other need.

Compatibility

Compatible with all new generation Android phones and tablets. Apple devices don't yet count with an open NFC chip.

NFC open devices

Warranty

Depending only on the functionality of the product's main function.*

2 years

Useful Life

Cares received by the plant may affect the led's lightning functionality

10 years

Price

Taxations and transport expenses are not included.

47€

Requirements

Simply what any plant pot needs: natural soil and periodic watering. Works with any plant.

Plant + Soil + Water

Time to start working

Consider that light functionalities may start in 1 week time.

Instant

* Pot's main functionality consists in providing an instant wifi access to any NFC open device touching the pot's wifi symbol.

- The plant pot's technology makes any future phone compatible with its functionality in open source devices. Apple devices will work only when the NFC chip is opened by the core company; it might be a matter of 1 to 2 years time as they've just recently started to open it for some external applications.

- Energy of the plant is used for the lightning process when a compatible phone approaches to the pot. Cares given to the plant and keeping the soil wet will help its correct functioning. However it won't affect the pot's main functionality.

- NFC functionality should be active in a device to use the product.

- The plant pot is configurable from any NFC open device just by bringing it close to the pot. Wifi and password settings can be changed at will and can even create an alternate password to prevent the pot from being hacked. A default website can be set to be opened instantly when connected.

ARKYNE TECHNOLOGIES 2017