

CU
BOX



Cell Phones are everywhere. **Energy is not!**

Reliable power from solar energy for regions with weak or no public grid at all.



PRESENT CHALLENGES

Energy supply, connectivity & communication have to be ensured everywhere.

In regions where connectivity and communication cannot be guaranteed due to the lack or poor reliability of the public power grid, mobile network operators must nevertheless count on a stable, uninterrupted and cost-efficient power supply for the operation of telecom towers. Only then can people have access to essential services, information and economic opportunities.



01

Lack of electricity grid and power outages

Telecommunication companies are extremely dependent on a reliable power supply. Even the shortest power outages are unacceptable and lead to very high costs. That's why they count on uncomplicated systems, such as diesel generators, to provide electricity to telecom towers in remote areas or where power outages are common.

02

High operating costs

However, the operating costs of diesel generators due to the fuel itself, delivery, loss & theft are significant and put a huge strain on profit margins.

03

Difficult accessibility

Especially in rural or remote areas, sourcing diesel is extremely costly. Storage of large quantities of fuel is very problematic due to the risk of leakage or theft.

04

Environmental impact

Telecommunication companies are increasingly looking to adopt more environmentally friendly solutions to reduce their carbon footprint.

05

Inflexible power sources

The availability of alternative power sources is limited due to their price, space requirements, procurement or a still immature technology.

OUR SOLUTION

CUBOX ECO – The power of the sun for more progress and a connected world.

Together we can improve the site-independent energy supply for telecom towers and ensure that mobile services are available everywhere. HBT ENERGY's CUBOX ECO provides the solution for sustainable communications in areas with poor or no power grids.



Uncomplicated handling



Greatest flexibility through plug & play concept



Maximum reliability by combining different energy sources



Environmentally friendly power generation with photovoltaics



Protection against burglary through locking system



Theft-proof installation of the solar panels



Compact unit (PV, diesel generator & battery pack)



What makes the **CUBOX ECO** unique?

Sustainable energy source

Our CUBOX ECO solar kiosks use the inexhaustible power of the sun to generate electricity. This is not only environmentally friendly, but also cost-efficient and safe.

Reliable power supply

We understand the importance of stable grid coverage. The CUBOX ECO solar kiosk continuously provides the power your telecommunications equipment needs to keep operating and connected.

Mobility

The CUBOX ECO is mobile and can be easily transported from one location to another. The practical plug-and-play concept makes the installation, start-up and ongoing operation simple and easy.

Low maintenance

Our technology is designed to require minimal maintenance. That means less downtime and lower operating costs for your business.

Scalable solutions

Our solar kiosks are modular and can be customized to meet the needs of your business. Whether you need a single unit or a network of kiosks, we are flexible enough to meet your requirements.



TECHNICAL DETAILS

CUBOX ECO – Facts & Figures:

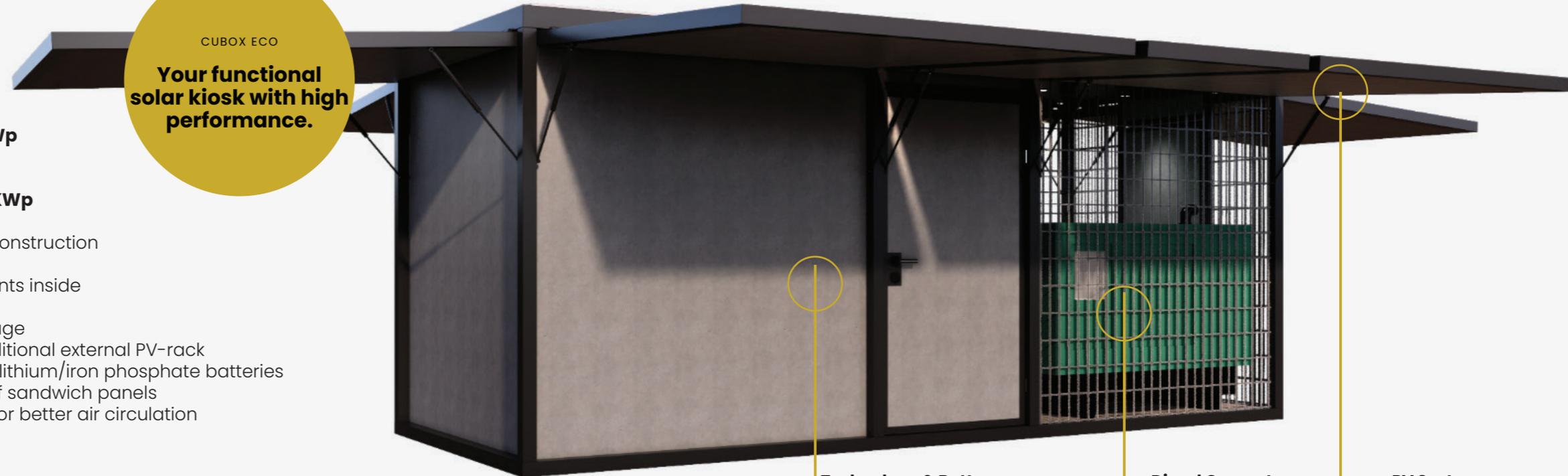
CUBOX ECO 1C
Dimensions 2,34 x 2,34 x 2,49 m, Solar Output 4 KWp

CUBOX ECO 3C
Dimensions 2,34 x 5,80 x 2,49 m, Solar Output 7,6 KWp

- The steel frame provides for a robust and sturdy construction
- Maximum interior space utilization
- Safe storage of expensive and sensitive components inside
- Extensive freedom for customization
- Considerable solar power output per square footage
- Increase of solar output possible by means of additional external PV-rack
- Self-sufficient operation possible, due to powerful lithium/iron phosphate batteries
- Insulation of the technical area with walls made of sandwich panels
- Enclosure of the diesel generator with mat fence for better air circulation

CUBOX ECO
**Your functional
solar kiosk with high
performance.**

The CUBOX ECO – Solar Kiosks generate a considerable amount of clean solar electricity, which is stored in powerful batteries.



Technology & Battery

Sandwich panels for thermal insulation

Diesel Generator

better ventilation due to strong grid

PV System

Solar power 7,6 KWp

WHY YOU SHOULD CHOOSE A CUBOX ECO?

Assuming **social responsibility** together.

Our mission is to connect the world, regardless of geographic barriers or lack of infrastructure.

We are committed to a sustainable and inclusive future. Our products are not only a source of clean solar energy, but also a unique example of innovation, community and change.



01

Reliability

A secure power supply for telecom towers increases reliability and trust by guaranteeing uninterrupted communications, even in environments where there is no public grid or frequent power outages occur.

02

Independence

A secure power supply by means of the CUBOX ECO strengthens independence by simplifying the operation of telecom towers and minimizing the use of diesel. The CUBOX ECO is mobile. You can easily transport it from one place to another.

03

Quality of life

A secure power supply enables a reliable provision of information, services and resources, which helps to improve the quality of life of the local population.

04

Stability

A secure power supply by the CUBOX ECO contributes to stability by ensuring continuous communication and connectivity. The direct and indirect costs of purchasing diesel are reduced enormously. This has a very positive impact on economic results.

05

Environment

A secure power supply with clean solar energy significantly lowers the environmental footprint of telecom towers, which not only improves the image of mobile network operators, but also promotes people's health and reduces political pressure.

CU
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Get in touch with us!

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