

The solution for power supply when there is no or limited access to the public grid or an independence from the existing power grid is desired



PowerCube

120-230 Volt, 60Hz
240-400 Volt, 50Hz



There is no Plan "B" because we do not have a "Planet B"!

POWERCUBE - 24 HOURS POWER SUPPLY!

PowerCube is a fully automatic and uninterruptible power supply for 24 hours a day, with minimal maintenance and the minimum runtime of a generator.

PowerCube is mobile and therefore not bound to any fixed location.

INTEGRATED INTELLIGENCE

PowerCube delivers power via a combination of

- Photovoltaic
- Motor-Generator Unit
- Massive Battery Storage

It recharges the batteries fully automatically and coordinated thanks to its integrated control units. Power is either taken from the photovoltaic system, and if no sun shines, power is generated by a motor-powered generator. This process is fully automatic, without the need for external intervention. Switching takes place without any interruption of the power supply.

Your advantage: PowerCube can be tailor-made exactly to what is most needed in the immediate environment!

POWERCUBE

STAND ALONE OPERATION AND DISPOSAL OF BIOWASTE!

STAND ALONE OPERATION OR NETWORK STABILITY

A connection to the public power grid is not required. PowerCube is completely self-sufficient and independent, and works as an isolated solution.

It can also work in parallel with a public power grid. PowerCube recognizes autonomously when the utility grid does not provide electricity and feeds the connected electrical loads at its own capacity. Once the public power returns, PowerCube will automatically go into sleep mode or recharge its batteries if necessary.

ENGINE FUEL

Diesel, heating oil or vegetable oil can be used for feeding the engine.

MICRO-BIOGAS PLANT

With an optional, specifically designed Micro-Biogas plant, biodegradable waste (without packaging material) can be fed. Fermentation produces biogas that can be added to conventional engine fuels. Incidentally, food waste for example can be completely disposed of in an energy-efficient way.

If a micro-biogas plant is going to be used, PowerCube will be equipped with the appropriate gas technology (safety gas control system, gas storage, etc.).

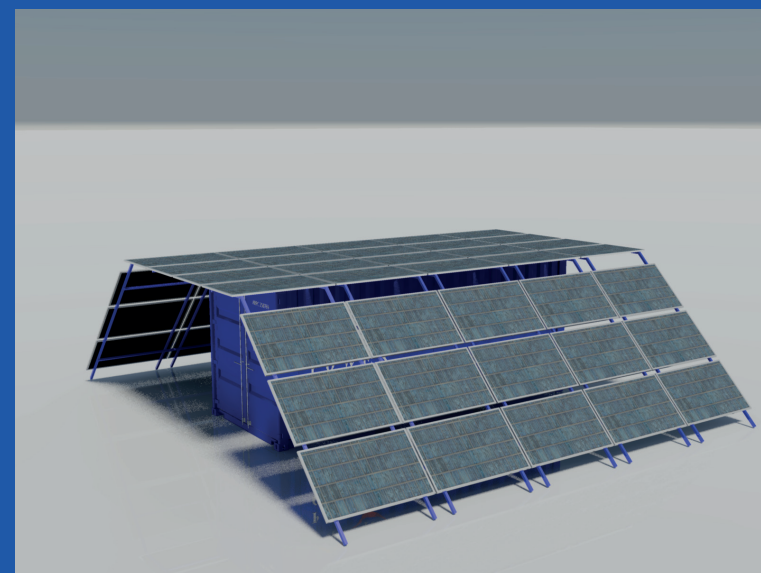


Figure 1: PowerCube at maximum expansion level (graphical representation)

POWERCUBE - FEATURES!

HOT WATER

To avoid wasting waste heat while the engine is running, the optional buffer tank with a capacity of at least 400 liters can be heated to 85 degrees. Thus, hot water is available at the same time as the electricity.

DIFFERENT PERFORMANCE LEVELS

PowerCube is available with different power levels, starting at 10kW up to 60kW peak power.

For higher performance requirements, multiple PowerCubes can be interconnected without any problem.

REMOTE CONTROL

A remote control can be carried out via an Internet connection. The port can be wired (LAN) or wireless (WLAN).

If, contrary to expectations, a malfunction occurs, it can enable us to diagnose or correct the problem quickly, without having to be on-site.

**WE ARE LOOKING FORWARD TO SERVE YOU AND YOUR ENVIRONMENT!
YOU CANNOT AFFORD TO GO WITHOUT US!**

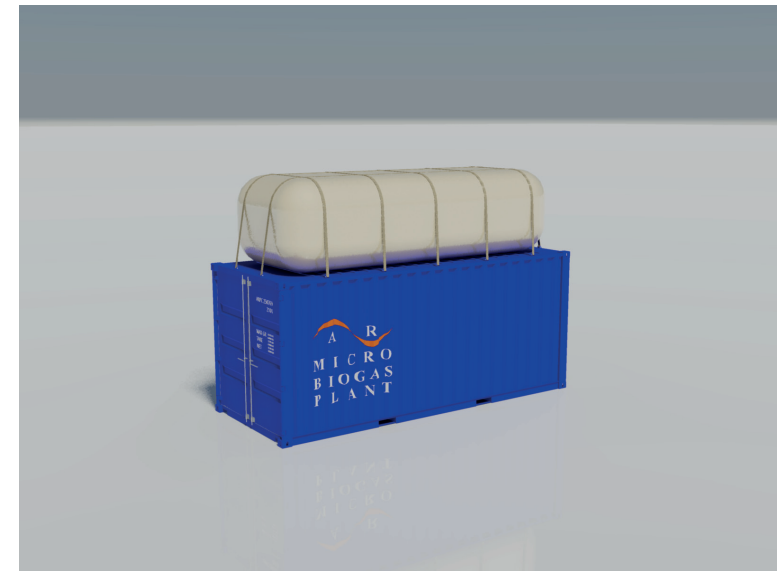


Figure 2: Micro Biogas Plant (graphical representation)

AREAS OF APPLICATION

- Remote houses or places
- Protection from an unreliable public power grid
- Longer outdoor events
- Commercial and industrial facilities away from any infrastructure or wanting to become independent
- As a supply for charging stations for electro mobility
- As an independent power supply for important infrastructure (military camps, weather stations)
- and so on

With an integrated micro-biogas plant, food waste (without packaging material) can be fed and used to produce fuel while at the same time disposing of the food waste.



CONTACT

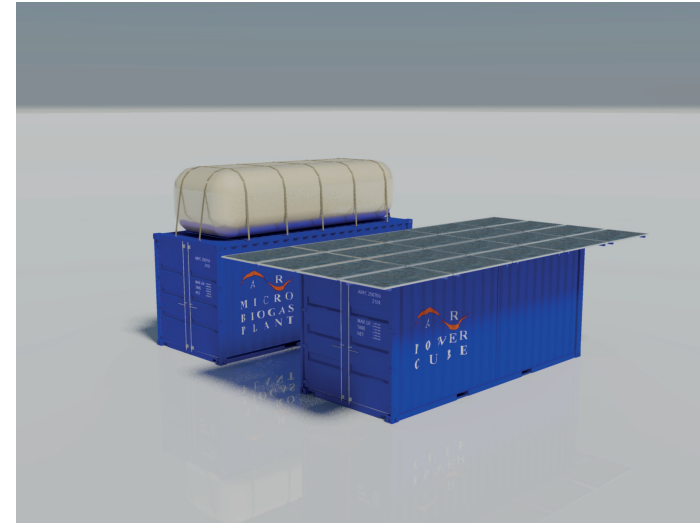
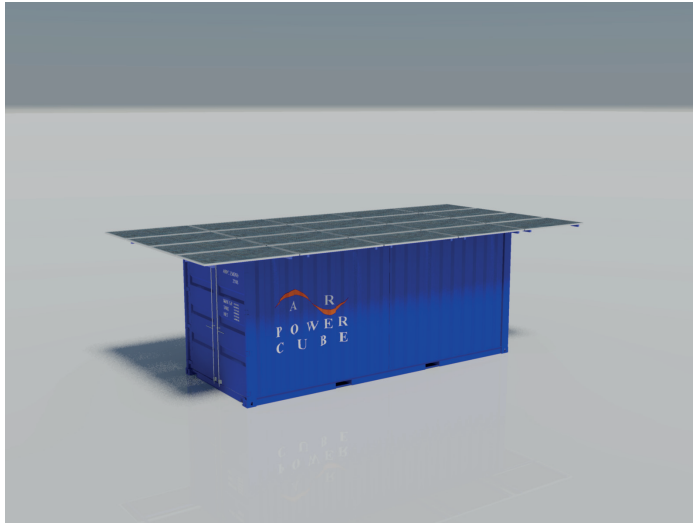


Figure 3: PowerCube - standalone (a) and combined with Micro Biogas Plant (b)

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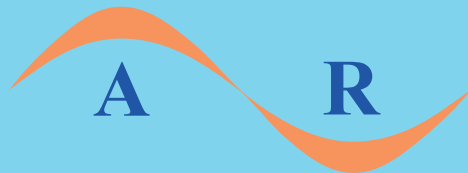
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