

## **PDEOZE PowerContainer**

# **What are the outdoor power supplies used in the desert**



## Overview

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There are numerous ways to harness energy from deserts, including traditional photovoltaic (PV) systems and wind turbines. How can a desert power system be sustainable?

This means that sufficient clean power can be generated from the world's deserts to supply mankind with enough electricity on a sustainable basis. The DESERTEC Concept promotes the large-scale production of solar and wind power in the desert regions of the world, combined with a smart mix of photovoltaics, hydropower, biomass and geothermal energy.

How can solar energy be used in the desert?

The key concepts, Solarthermal-Plants, Photovoltaics and Direct Current Transmission, have been in application for decades. The desert offers several options to supply energy. These options include traditional PV-Systems and Wind-Power, either to supply the local market or to export it as peak demand energy to Europe.

Can Desert energy save the world?

In contrast to nuclear fusion, super batteries or other technology said to save the world, desert energy is already in the phase of commercial use. Of course improvements are still possible and happening, but the current state of the technology is ready for large scale use.

How does the desert provide energy to Europe?

The desert offers several options to supply energy. These options include traditional PV-Systems and Wind-Power, either to supply the local market or to export it as peak demand energy to Europe. The most attractive for the European Electricity Market is solarthermal energy as it can be provided 24 hours a day, 7 days per week.

How long does it take a desert to produce electricity?

Within 6 hours the world's deserts receive more energy from the sun than humankind consumes within a year. This means that sufficient clean power can be generated from the world's deserts to supply mankind with enough electricity on a sustainable basis.

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