MOBILE SOLAR CONTAINER
OFF GRID & ON GRID SOLUTION
FOR MILITARY AND CIVILIAN APPLICATIONS

UP TO 52 kWp PURE SOLAR ENERGY

MULTICON SOLAR CONTAINER IS A SUBSTITUTE FOR FOSSIL FUEL BASED GENERATORS. THE SYSTEM IS COMPLETELY SILENT AND ENVIRONMENTALLY FRIENDLY WITH ABSOLUTE 0% CO₂, GHG EMISSIONS IT ALSO EASY TO OPERATE AND MAINTAIN.

www.multiconsolar.de
Panels out, Sunshine in

Just unload – immediately ready to use. After just a short setup time, the Mobile Solar Energy Station starts to power your location. It is perfect for camp sites, field hospitals, disaster areas, and humanitarian relief efforts. MSES is also suitable for any military application because it operates in total silence to power military camps, air bases, charging stations, and radar stations 24/7 like a clock.

MSES Multicontainer provides energy from the solar-panels directly, through the control panel and the inverter. At night it provides power through a highly efficient bank of batteries composed of packs based on need. The whole system operates swiftly and easily following minor training outlines in our operating manual.

The system can be pushed in and out of the container in a short time to ensure secure and safe storage. Solar Panels, once inside the container, are protected against the elements from heavy weather, including sandstorms, theft, vandalism, and sabotage.

Multicontainer, Multi-Solutions

Due to its mobility and flexibility, the Multicontainer system is adaptable to various operational sites and multi-geographical locations worldwide. Its solution offers short and long term electricity supply as support for (like a power sub-station) or replacement of electrical grids or outdated polluting diesel generators.

Possible operation sites:
Rapid Intervention Forces; field hospitals in remote areas during outbreaks of disease, war zones and refugee crisis; mining, industrial, and natural disaster areas; firefighting; large construction sites or hotel complexes in remote islands. MSES also offers multiple solutions for water crises, from drought to irrigation problems and water desalination.
**One container. Many advantages**

- **Quick and easy installation**
  After a brief operating induction / instruction about the Multicontainer, the system is operated according to a plug-and-play principle, which makes it user friendly.

- **Low Cost Electricity**
  The payback period varies from 5-10 years depending on consumption and production.

- **Extremely flexible**
  The photovoltaic output and the battery capacity can be adjusted if required.

- **Quick Availability**
  Delivery worldwide can be initiated within six weeks from placing a firm order with our group headquarters. No preparatory work is needed at the place of assembly or operation, just a solid, flat, and clean surface.

- **Benefits the environment**
  All materials are recyclable, so it creates no waste, no pollution, no noise, and no CO2 emissions.

- **Easy to transport**
  If required, the Multicontainer can be removed quickly from one site to another.

**Compact in size. Highly effective in use**

Solar energy is abundant. It is not a scarce commodity, so let’s harness it and save our planet from polluting fossil fuels and highly volatile oil prices as well as contribute to enhanced ecology and the green economy. Mobile Solar Energy Station Multicon System provides new solutions for an independent operator in remote areas, villages, rural communities, small municipalities, agricultural regions, and small towns.

It promises economic and environmental gains at an unprecedented scale to enhance communities, even in decentralized locations, and their economic development.

With its mobile flexibility to move anywhere and quickly, it is pollutant-free and cost-efficient with short payback periods.

Along with its concealed intelligent energy management system, it has highly efficient solar panels which can be pushed out and mounted in a short time. It also has a highly efficient battery system for durable and long life that ensures a high performance. After sunset and in cloudy weather the batteries continuously provide a non-stop electricity supply for up to two days.
**Multicontainer MC 90**
90 panels – 27 kWp output

**MC 174 (EAST-WEST)**
174 panels - 52.2 kWp output

**Multicontainer MC 66**
66 panels – 19.8 kWp output

**MC 126 (EAST-WEST)**
126 panels - 37.8 kWp output

**Multicontainer MC 42**
42 panels – 12.6 kWp output

**MC 78 (EAST-WEST)**
78 panels - 23.4 kWp output

**Multicontainer MC 18**
18 panels – 5.4 kWp output

**MC 30 (EAST-WEST)**
30 panels - 9 kWp output

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**Battery Storage**
- LiFePO4 battery pack system
- 4,500 cycles with approx. 15 years service life

**Capacity at 80% discharge**
- 1 unit 12 kWh
- 2 unit 24 kWh
- 3 unit 36 kWh

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