

**MOBILE SOLAR ENERGY STATION / MSES
INDEPENDENT GREEN GRID (OFF GRID SOLUTION)**



52 kWp PURE SOLAR ENERGY

**MSES 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**

ELECTRICITY FOR THE WORLD

**HARNESS SOLAR ENERGY FAST,
ECONOMICALLY, AND LOCALLY**

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 multi-container 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.



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 pay back 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.



MULTI-CONTAINER, MULTI-SOLUTIONS






Due to its mobility and flexibility, the multi-container 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.



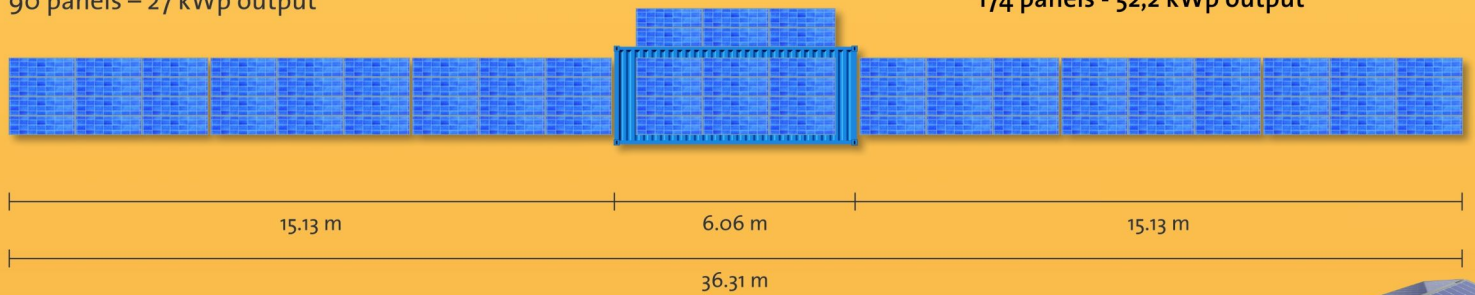
A SINGLE CONTAINER MANY ADVANTAGES

-  **Easy and fast mounting**
After a brief operating induction/ instruction about the multi-container, 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.
-  **All in one**
The Multicontainer is a complete solution for generating and storing electrical power. It's an independent off-grid system.
-  **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.
-  **Extremely flexible**
The photovoltaic output and the battery capacity can be adjusted if required.
-  **High Quality standards**
Tested and certified by the TÜV (German Technical Inspection Association), long-lasting, stable in value and **Made in Germany**.
-  **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 multi-container can be removed quickly from one site to another.



MULTICONTAINER MC 90

90 panels – 27 kWp output

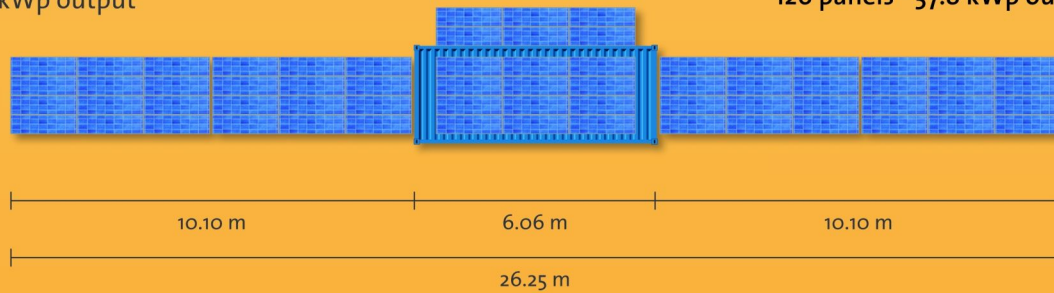


MC 174 (EAST-WEST)

174 panels - 52,2 kWp output

MULTICONTAINER MC 66

66 panels – 19.8 kWp output

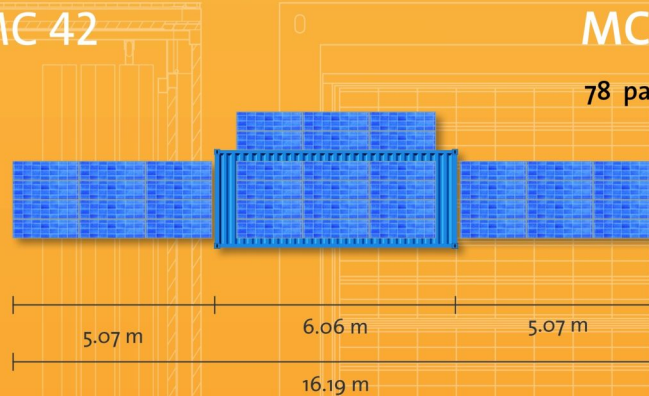


MC 126 (EAST-WEST)

126 panels - 37.8 kWp output

MULTICONTAINER MC 42

42 panels – 12.6 kWp output

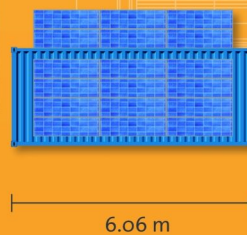


MC 78 (EAST-WEST)

78 panels - 23.4 kWp output

MULTICONTAINER MC 18

18 panels – 5.4 kWp output



MC 30 (EAST-WEST)

30 panels - 9 kWp output

battery storage

LiFePO₄ battery pack system
4,500 cycles with approx. 15 years service life

Max. 72 kWh
(6 units)

Capacity at 80% discharge

1 unit 12 kWh
2 unit 24 kWh
3 unit 36 kWh



Headquarter

Multicon Solar
Am Nienhaushof 28
47139 Duisburg
Germany

Phone: +49 203-488676-10
Fax: +49 203-488676-199



info@multiconsolar.de
www.multiconsolar.de