SUNFOLD® POSSIBLE APPLICATION AREAS

- Containerised temporary offices, living quarters, storage facilities, guard posts for construction or mining sites
- Country houses, safari lodges, remote farms
- Rural electrification programs
- Refrigerated containers for distribution and storage of medical supplies
- Containerised production facilities and processes like water treatment & bottling plants
- Containerised emergency hospitals & schools
- Containerised temporary power supply for humanitarian aid and armed forces
- Telecom BTS containers
- Etc.

TIGER POWER

Tiger Power brings zero-emission, plug & play, 24/7 autonomous, transportable renewable energy solutions to the off-grid power supply market. SUNFOLD® is a proprietary design by Tiger Power.

OTHER PRODUCTS AND CONCEPTS BY TIGER POWER:

- **STORAGER®**: An innovative long-term energy storage concept based on a complete hydrogen-cycle that provides full autonomy and reliability without the need for any back-up generator.
- **POWERCAMP®**: An integrated power supply solution based on Tiger Power's Sunfold® and Storager® technologies.
- Tiger Power envisages the development of complementary plug-and-play products e.g. a small-scale containerised wind turbine, a containerised irrigation system, etc.

FOR MORE INFORMATION, CONTACT US:

E. info@tigerpower.eu
T. +32 (0)9 232 18 41

Molenweidestraat 24
9070 Heusden, Belgium

WWW.TIGERPOWER.EU

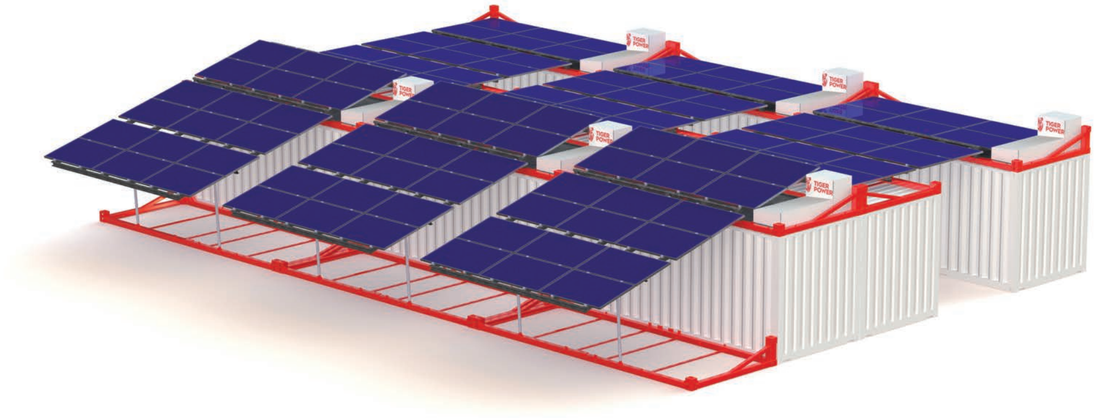
TIGER POWER

CLEAN ENERGY MADE EASY

REDUCE YOUR DEPENDENCY ON FOSSIL FUELS

SUNFOLD®

A TIGER POWER SOLUTION



PLUG & PLAY SOLAR POWER SYSTEM FOR REMOTE APPLICATIONS

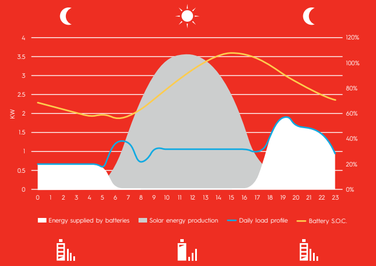
Containerised • Modular • Reliable • 24x7 Clean Energy

WHEN TO USE SUNFOLD®?

Sunfold® is a clean energy alternative to the traditional diesel generator sets. Depending on the installation area and the characteristics of the load, Sunfold® can allow you eliminate or substantially reduce the use of diesel generators and the hassle of local fuel supply. Sunfold® matches the flexibility of diesel generators (plug and play, easy transportation) and beats the Levelised Cost of Electricity (LCOE) over its lifetime. And Sunfold® is far superior for both the local environment (no noise, no exhaust) and the overall environment (no CO_2- emission). So if you care for your budget and the environment, think Sunfold®!"

WHAT DOES SUNFOLD® DO FOR YOU?

A standard Sunfold® system houses ca. 4,7 kWp solar PV panels and 7,2kWh or 10,8kWh usable storage capacity (at 50% D.O.D.). Depending on the geographical location each Sunfold® system can serve an average daily load of 11 kWh to 27 kWh.



Thanks to the integrated battery bank the customer can, within limits, prepone or postpone his electrical consumption. Hence the Sunfold® system can serve an early morning load (before sun rise) as well as an evening or night load (after sunset).

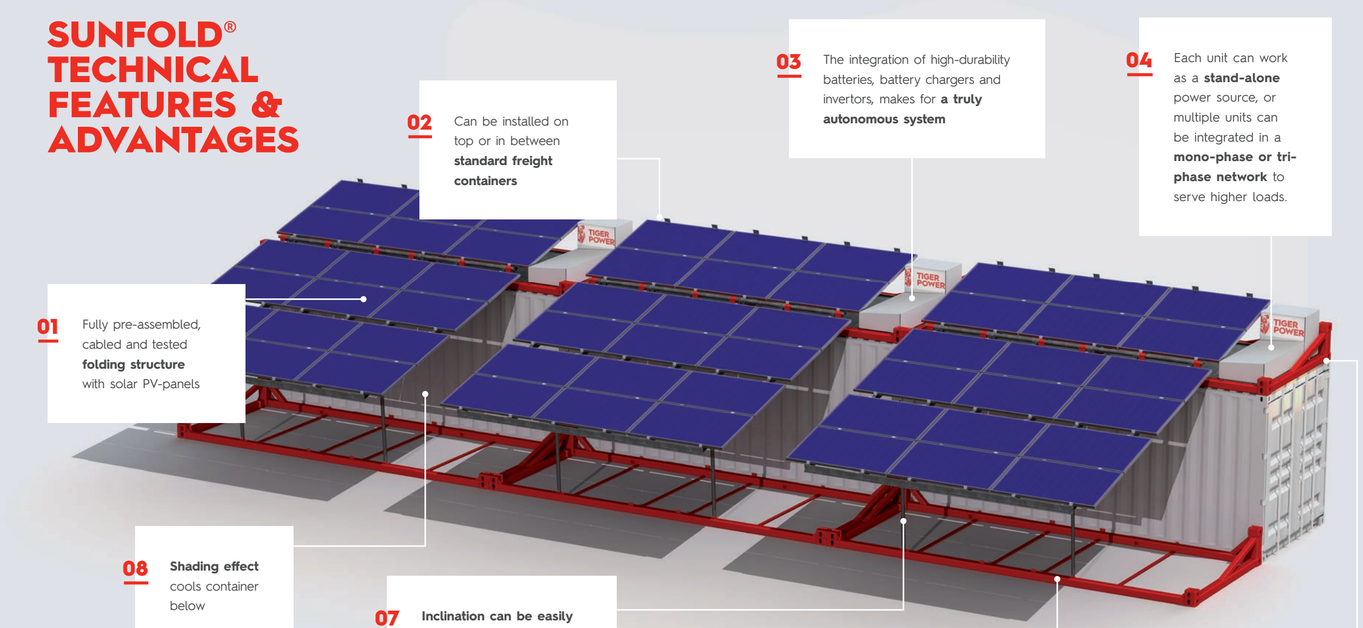
SUNFOLD® TECHNICAL FEATURES & ADVANTAGES

01 Fully pre-assembled, cabled and tested **folding structure** with solar PV-panels

02 Can be installed on top or in between **standard freight containers**

03 The integration of high-durability batteries, battery chargers and invertors, makes for **a truly autonomous system**

04 Each unit can work as a **stand-alone** power source, or multiple units can be integrated in a **mono-phase or tri-phase network** to serve higher loads.



05 The unique design **avoids all electro-mechanical and civil works** on site.

06 Designed using Computational Fluid Dynamics and Finite Element Analysis simulations to **withstand high wind speeds**

07 **Inclination can be easily adjusted** according to the geographical location, season or user preference. Optional **mono-axial tracking system** to increase yield

08 **Shading effect** cools container below

SUNFOLD® BEATS FUEL

The cost of fuel in remote applications cannot be expressed in mere "dollars per liter". The real cost of fuel-based power generation is in the logistics: supplying and storing the fuel, maintaining the equipment, ... all must be considered to get a clear picture on the actual LCOE when using a fuel-driven generator. Sunfold® brings significant savings without compromising on system flexibility.

TRANSPORT

The clever design of the Sunfold® makes it possible to transport the systems without the need for any (dis)assembly works nor additional packaging. By stacking 3 Sunfold's the overall dimensions and corner fittings allow that these Sunfold's can be transported over sea, rail and road as a normal 20" ISO container without any additional packaging nor handling costs.

INSTALLATION

Upon arrival on site, Sunfold® can be lifted and fixed onto any standard ISO container with the help of a small crane. Using the same crane Sunfold® can be unfolded and made ready for use in less than 30 minutes. Likewise, Sunfold® can be folded and prepared for relocation within minutes without leaving a trace.