

**SUN**  **TAINER**<sup>®</sup>  
eco-friendly cooling



ENVIRONMENTALLY FRIENDLY MEDICAL COOLING

**The Hybrid Reefer SUNTAINER**



# MOBILE POWER SUPPLY

**SELF-SUFFICIENT – COMPACT – INNOVATIVE** The new Mobile Solartainer is a self-sufficient power supply possible everywhere – decentralized, pollution-free and inexpensive. After a simple and quick assembly, the storage system, together with the solar modules on the roof and on the container wall, provides reliable energy. The intelligent energy management ensures maximum efficiency.

## From Past Standard Reefer

High energy consumption causes extreme consequential costs as a storage unit of \$ 20.000 and more per year.



## Future extension: a Pharmacy in the field

From cold chain storage to complex applications as smart warehousing by integrated GS-1 scanning.

## To Future Solar-Hybrid-Container

Fully equipped and ready to use. A network-independent complete solution and saves valuable resources.



## The Key-Components

**High Insulation for low power:** 60% more than deep freezer reefer



PCM-Modules



DC-Air-Conditioner



Solar Power



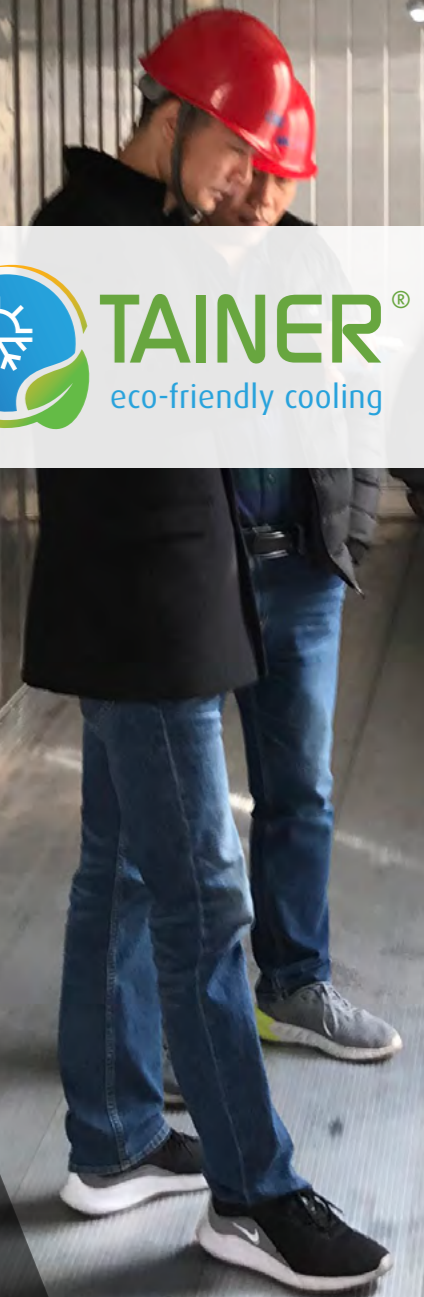
48 Volt Generator

## Key facts:

- 40-foot high cabinet with plenty of storage space
- External dimensions 40" or 20" available
- Inner dimensions 56 m<sup>3</sup> or 28m<sup>3</sup> storage capacity (L\*W\*H):10809\*2115\*2506mm
- storage temp: +15°C – +25°C at up to +55°C ambient temperature
- 5 additional 48 volt sockets to integrate DC low emission Refrigerators (+2°C – +8°C)
- integrated PCM (Phase change Material ) Roof equipped with 72 panels for overnight cooling
- 60% More Insulation as stand. freezer reefer
- internal door opening safety system and alarm system to ensure user safety
- Additional Cold Room Door
- Rear and side doors with magnetic insulation curtains to reduce temperature bridges
- Non-slip aluminum floor and easy clean stainless steel walls (HACCP)
- International top container manufacturers product
- Certified by CSC (International Convention for Safe Containers)

## Sustainability:

- Cooling with new direct DC technology
- generator starts only at low battery for short runtime
- low operating costs
- leaned to WHO-PQS Standards (nc)
- Provide solutions for areas without stablepower supplies (Island solution)
- Sustainable and environmentally friendly
- Reduce carbon dioxide emissions
- Maintenance free system
- Safe 48-Volt DC system





# DESIGNED FOR THE EXTREME

**ONE CONTAINER – MANY OPTIONS:** Turn your Suntainer into a power station: additional energy for medical stations including pre-mounted roof measuremade to your needs.

## 40" MODELS

## 20" MODELS

under development

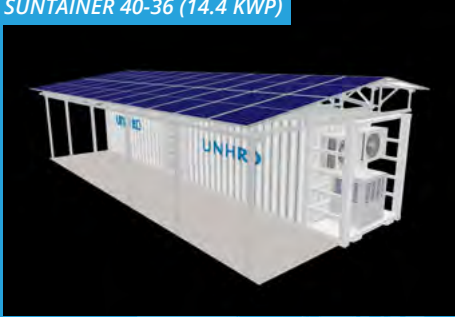
SUNTAINER 40-24 (9.6 KWP)



SUNTAINER 20-12 (4.8 KWP)



SUNTAINER 40-36 (14.4 KWP)



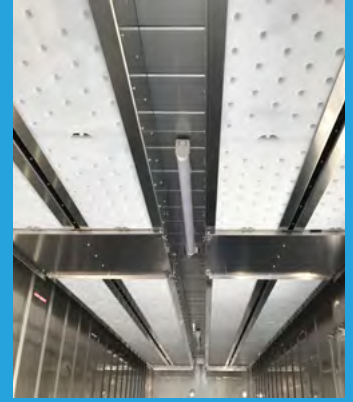
SUNTAINER 20-18 (7.2 KWP)



SUNTAINER 40-48 (19.2 KWP)



SUNTAINER 20-24 (9.6 KWP)



TEAMWORKED BY

GCS mobile solutions GmbH/Partners – designed and developed in Germany



**UNHRD**  
Humanitarian  
Response Depot

**SUN**  **TAINER**<sup>®</sup>  
eco-friendly cooling

SUNTAINER a division of GCS mobile solutions GmbH  
phone +49 40 669 091 57 • info@fridge-tent.com • www.fridge-tent.com