SolaraBox®

SOLAR POWER CONTAINER

POWER YOUR LIFE SUSTAINABLY
WHEREVER YOU ARE, **SOLARABOX**

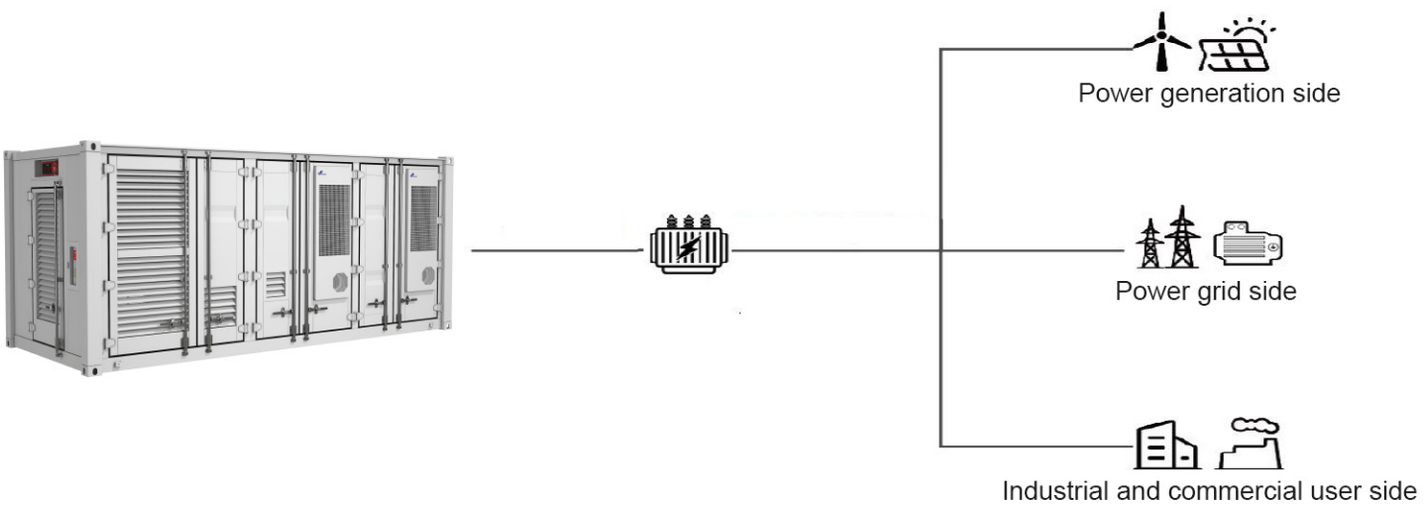
- Innovative solar power generation
- Reliable solar energy performance
- Unlocking the future of containerized solutions

Company Profile

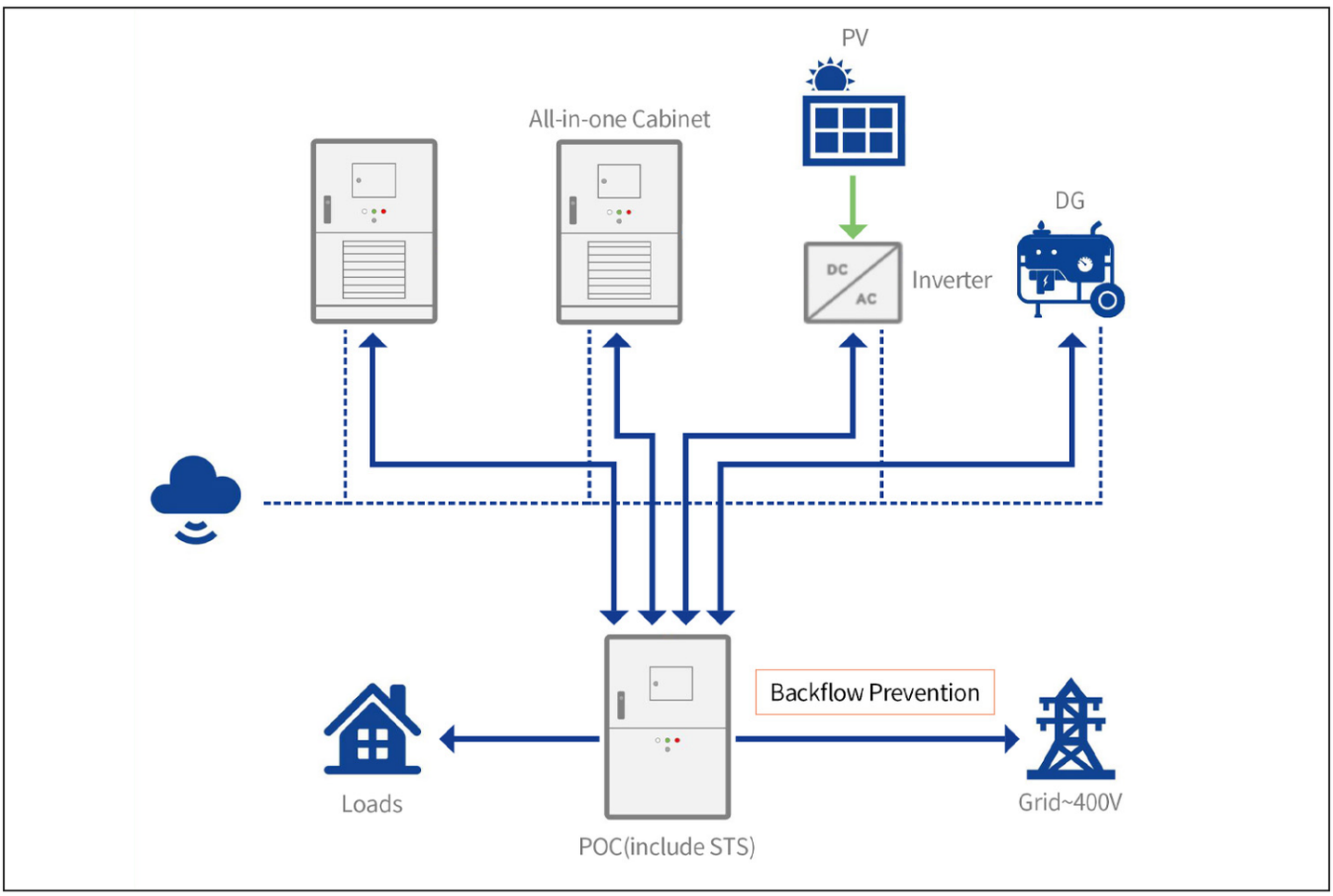
SolaraBox is a specialist in designing and manufacturing high-quality standard and custom solar container solutions. We combine advanced manufacturing equipment with the expertise of a dedicated professional team to deliver reliable and robust equipment tailored to our clients' specific needs. From specialized applications for enterprises and research institutions to solar container products, SolaraBox is committed to providing comprehensive, high-quality solutions built on integrity and recognized for their superior quality.

Application scenario:

- User shifts peak and fills valley laterally
- User side demand side response
- Virtual power plant
- Measurement, allocation and storage of new energy power generation



Foldable Solar Array Container



Features

- Fast assembly,Simple to install
- Plug and play Foldable and mobile
- Compact and modularized
- Heat preservation and insulation,
- Fire prevention
- Flexible series or parallel combinate each other
- Easy adapt to lithium battery storage containers
- Lifespan is over 10 years with reliable materials
- Dimensions and styles can be customized made


ORGANIZATION FOR TECHNICAL CONFORMITY

CERTIFICATE

OF CONFORMITY OF THE FACTORY PRODUCTION CONTROL

2787 - CPR - 01452

STRUCTURAL COMPONENTS FOR STEEL STRUCTURES

PREFAB CONTAINER HOUSE, Model: K-style, U-Style, Container Style, Villa style,

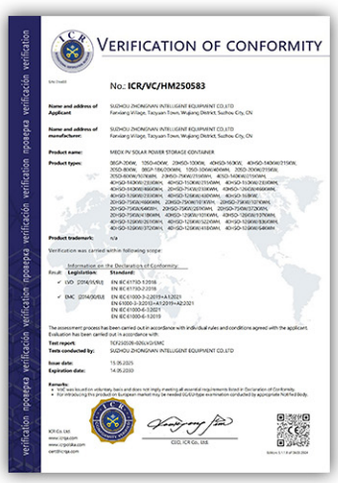
according to EN 1090-2, executive class EXC1, EXC2

EN 1090-1:2009+A1:2011

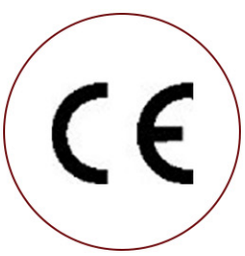
SUZHOU ZHONGNAN STEEL STRUCTURE Co., Ltd

Department Head: Vera Tsvetkova

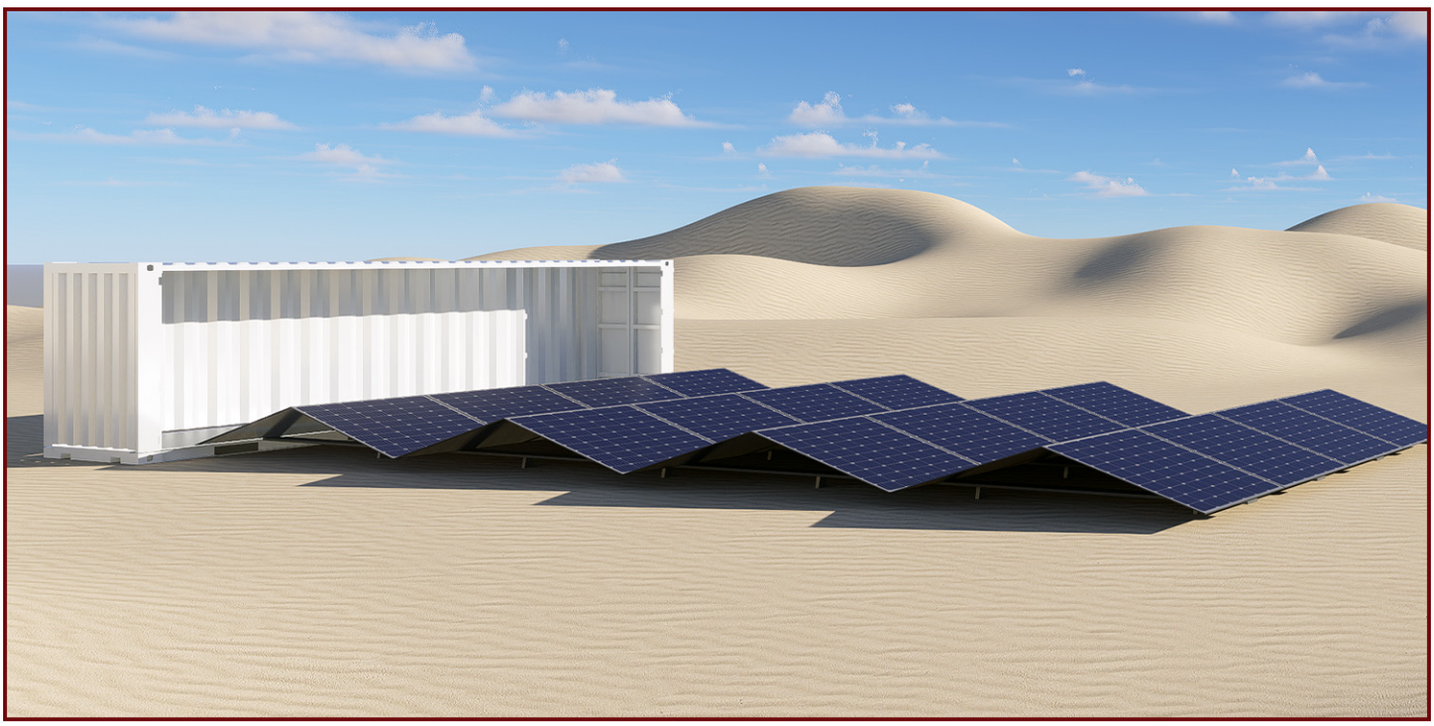
Sofia, September TC 2024


VERIFICATION OF CONFORMITY

No.: ICR/VC/HM250583




Solarabox-20HSO



Technical data

Type of Container	20 Feet High Cube Open Side
External Dimensions(L*W*H / mm)	6058*2438*2896(L*W*H / mm)
Container Weight (Tons)	3
Solar Array Capacity(Pmax / kwp)	113KW
Total Weight (Tons)	10.64
Folding & Unfolding Time (Min.)	120/80
Installation Person	6
Operating Temperature(°C)	-30 °C to +60 °C
Unfolded Footprint (L*W*H / m)	107*6*0.9(L*w*H/m)
Folded Footprint (L*W*H / m)	6*2.34*2.9 (L*W*H / m)
Max.slope Limit	1%
Compatibility(option 1)	AC output with inverter
Orientation	Any ozimuth by container
Solar Panel Type	N Type i-Topcon
Solar Panel Power (Pmax/wp)	590W per module
Quantity of Modules	192
String Capacity(Pmax / kwp)	113.28 KWP
Output Power Volt.&Current(v / Hz)	220 / 380, 230 / 400, 3L / N / PE or 3L / PE
Inverter Brand	Goodwe
Inverter Type	GW100K-GT On-Gird or SN100PT-X On-Gird
Quantity of Inverters (sets)	1
Bracket Materials	Hot Galvanized Carbon Steel
Single Bracket Dimension(mm)	4718*2342*30/48Pages/4 Row
Angle of Unfolding Bracket (°)	21
Length of Unfolding Bracket(m)	107
Project Area of Unfolding Bracket(m)	642
Certification	TÜV tested, CE-certified
Connection Options	On-Grid

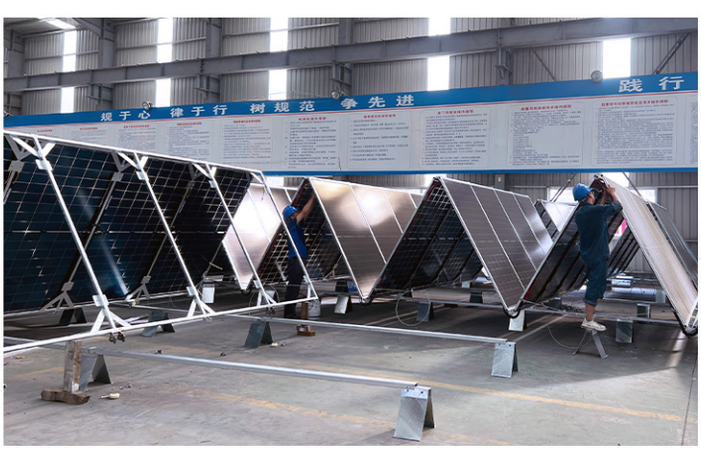
Solarabox-40HSO

Technical data

Type of Container	40 Feet High Cube Open Side
External Dimensions(L*W*H / mm)	12192*2438*2896(L*W*H / mm)
Container Weight (Tons)	6.74
Solar Array Capacity(Pmax / kwp)	226KW
Total Weight (Tons)	30.48
Folding & Unfolding Time (Min.)	240/160
Installation Person	12
Operating Temperature(°C)	-30 °C to +60 °C (-86°F to +140 F°)
Unfolded Footprint (L*W*H / m)	107*12*0.9(L*w*H/m)
Folded Footprint (L*W*H / m)	12*2.34*2.9 (L*w*H/m)
Max.slope Limit	1%
Compatibility(option 1)	AC output with inverter
Orientation	Any ozimuth by container
Solar Panel Type	N Type i-Topcon
Solar Panel Power (Pmax / wp)	590W per module Tier 1
Quantity of Modules	384
String Capacity(Pmax / kwp)	226.56 KWP
Output Power Volt.&Current(v / Hz)	220 / 380, 230 / 400, 3L / N / PE or 3L / PE
Operating temperature	-30 °C to +60 °C (-86°F to +140 F°)
Inverter Brand	GOODWE /SINENG
Inverter Type	GW100K-GT On-Gird or SN100PT-X On-Gird
Quantity of Inverters (sets)	2
Bracket Materials	Hot Galvanized Carbon Steel
Single Bracket Dimension(mm)	4718*2342*30/48 Pages/8 Row
Angle of Unfolding Bracket (°)	21
Length of Unfolding Bracket(m)	107
Project Area of Unfolding Bracket(m)	1284
Certification	TÜV tested, CE-certified
Connection Options	On-Grid

Solarabox-40HSO

Product Photograph



Application scenario