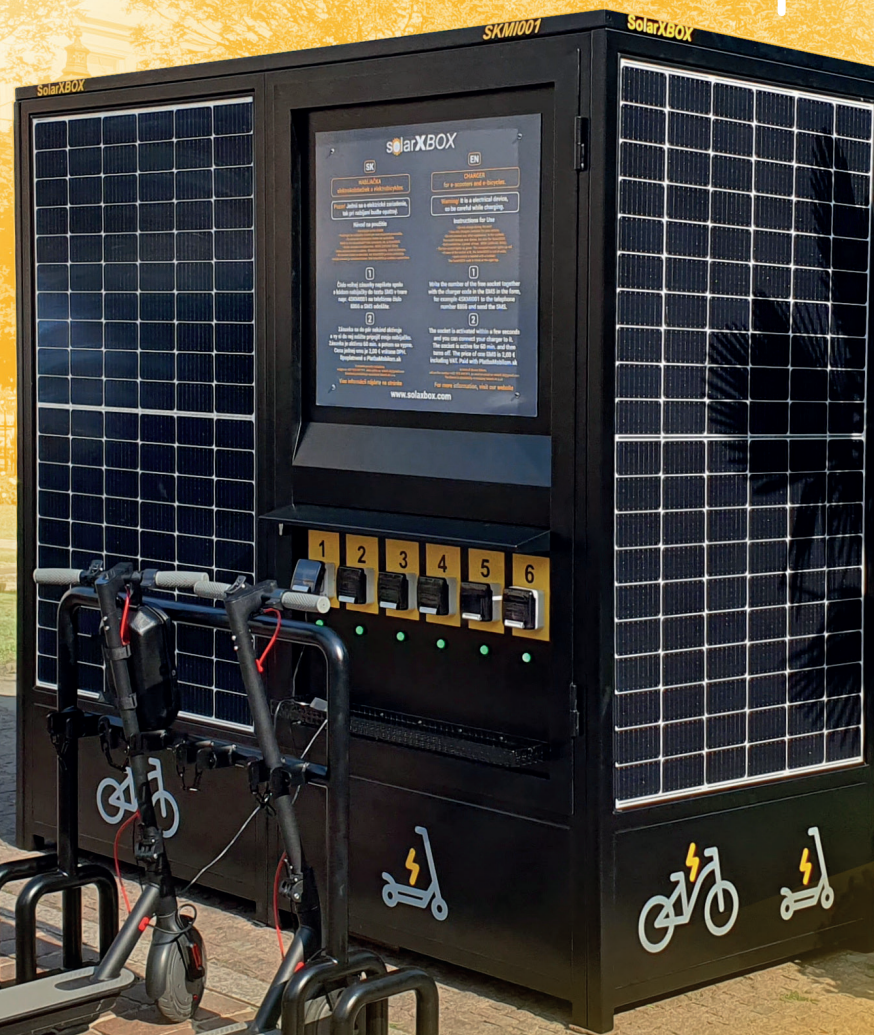# solar**X**BOX

SOLAR CHARGER
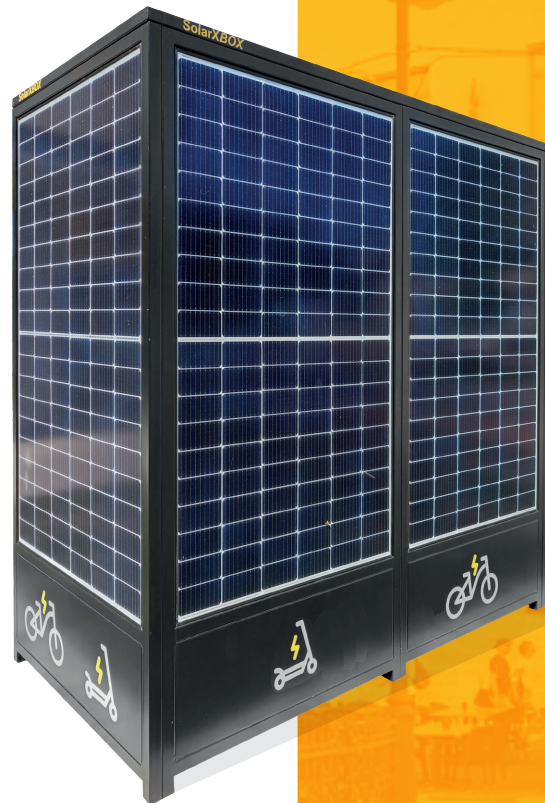## FOR E-SCOOTER AND E-BIKE

www.**solarxbox.com**

ABOUT US

We are a family-owned business based in Slovakia operating mainly the domestic market, but also Germany market. We have been dealing with green energy, mainly photovoltaics, for over 12 years. We see untapped potential in the solar energy and we try to look for interesting solutions how to use it´s full potential. We regularly take part in larger exhibitions with solar technology in the EU as well as various trainings with photovoltaic systems and their innovations.

The idea for our SolarXBOX product started during one summer vacation where we were using our electric scooters to move around. We perceive electric scooters and e-bikes as a promising means of transport that is currently very popular, but it also has its limitations, like the capacity of their batteries, which we personally had the chance to experience during our vacation. Our problem appeared after cruising the Italian streets, when the battery indicator turned red and there was no power left. At first we thought it wouldn't be that hard to find a place to re-charge the scooters. But it turned out to be a much bigger issue. After a futile search of some available power source we also started addressing waiters in restaurants, but we didn't succeed there either, so we had to walk back to the hotel on foot. On the way home, we got an idea about how to solve the battery problem ECOLOGICALLY and economically and everything started to make sense for us and we immediately started planning and developing our SolarXBOX.

SOLARXBOX

► SolarXBOX can be placed anywhere in direct sunlight, no need for public electricity network

► It produces electricity ECOLOGICALLY from photovoltaic panels

► Unique design - solar panels are installed around its perimeter oriented to the south, east, west, up (horizontal) and even from the north.

► The electricity produced is stored in batteries installed inside the SolarXBOX. The battery system is in 3 levels AGM 24V - 6000Wh / 12000Wh / 18000Wh.

► Easy and quiet operation. The customer activates a free socket (one of six installed on the northside) for 1 hour.

We are currently working on a new application through which the customer will be able to find the nearest SolarXBOX is located next to it, as well as the option of selecting payment via the QR code.

WE BELIEVE THAT, OUR SOLARXBOX WILL FIND USE AROUND THE WORLD, WHETHER IN THE PRIVATE OR PUBLIC SECTOR.

DIMENSIONS solar**X***BOX* UNO

COLORED TRANSFERS

RAL 9005

RAL 8017

RAL 5002

RAL 6005

RAL 3031

code SolarXBOX

SKMI001

socket number

2350 mm

2260 mm

1130 mm

SolarXBOX is made in Slovakia. The components used are from leading European manufacturers. It is based on an intelligent modular concept designed to suit customers.

GENERAL FACTS

- ▶ steel construction is galvanized with powder coating
- ▶ an option to choose any colour design
- ▶ easy to clean
- ▶ cooling is provided by 2x side fans with an output of 2x20W
- ▶ a charger shelf
- ▶ a stand for electric scooters and e-bikes is optional
- ▶ remote monitoring of charging
- ▶ the payment system via SMS (possibility of expansion via scanning the QR code)

BENEFITS

- ▶ looks great in any place, whether in the city center or in nature
- ▶ a good choice of placement can bring high payoff
- ▶ SolarXBOX is made only of quality components and the heart of the entire SolarXBOX is our unique control unit (our know how)
- ▶ quiet operation of SolarXBOX
- ▶ the electricity produced is only from a renewable source
- ▶ easy handling. Activation of the socket by SMS payment
- ▶ easy placement without unnecessary using of electrical network or any cables

On the north side there is a door with user manual at the top and in the middle there are waterproof numbered sockets with high IP66 protection. Below them are diodes that signal the power status of individual sockets.

If the LED is **green**, the socket is free to use and ready for activation and charging.
If the LED is **red**, the socket is already being used and is active by default max. 1 hour.

PLACEMENT

TWO MAIN CONDITIONS FOR GOOD PLACEMENT:

▸ in a place with a direct and constant sunlight
▸ in a place with high frequency of people using e-scooters and e-bicycles e.g. city center, beach, bike path, ZOO, bus or train stop ...
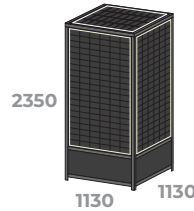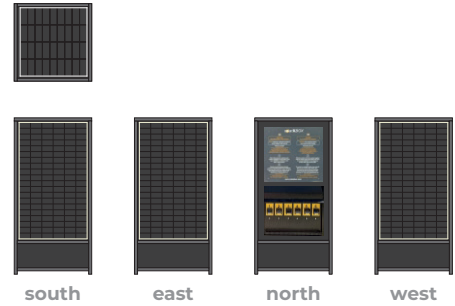
DIFFERENT VARIANTS

solarXBOX

solarXBOX UNO mini

Solar Power: 1225 Wp
3x solar panel mono 370 Wp
1x solar panel poly 115 Wp

Predicted annual max.production:

844 kWh - Vienna, AT
785 kWh - Singapore, SG
1193 kWh - Dubai, AE
781 kWh - Hong Kong, CN

from the top

2350

1130   1130

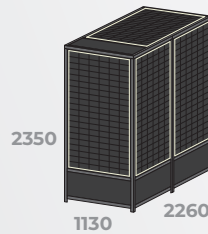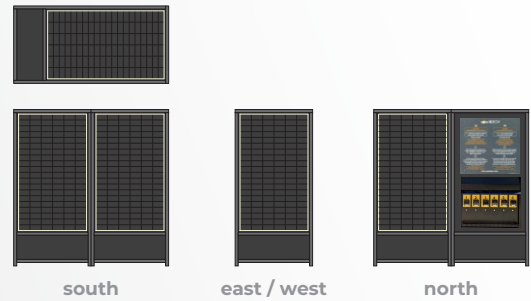south   east   north   west

solarXBOX UNO

Solar Power: 2220 Wp
6x solar panel mono 370Wp

Predicted annual max.production:

1479 kWh - Vienna, AT
1471 kWh - Singapore, SG
2086 kWh - Dubai, AE
1433 kWh - Hong Kong, CN

from the top

2350
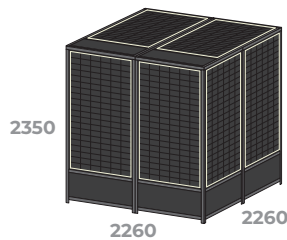
1130   2260

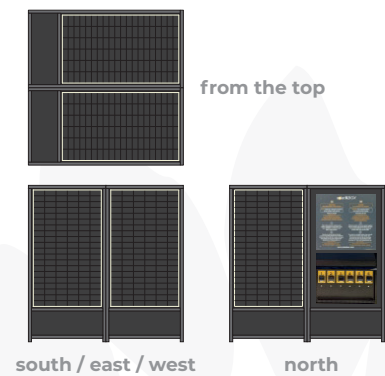south   east / west   north

solarXBOX DUE

Solar Power: 3330 Wp
9x solar panel mono 370Wp

Predicted annual max.production:

2277 kWh - Vienna, AT
2420 kWh - Singapore, SG
3347 kWh - Dubai, AE
2278 kWh - Hong Kong, CN

2350

2260   2260

from the top
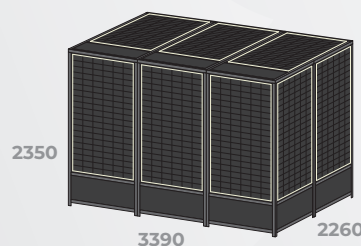
south / east / west   north

solarXBOX TRE

Solar Power: 4440 Wp
12x solar panel mono 370Wp

Predicted annual max.production:

3027 kWh - Vienna, AT
3258 kWh - Singapore, SG
4434 kWh - Dubai, AE
3065 kWh - Hong Kong, CN

2350

3390   2260

from the top   south

north   east / west

BENEFITS

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  is our unique control unit (our know how)
▸ quiet operation of SolarXBOX
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▸ easy handling. Activation of the socket by SMS payment
▸ easy placement without unnecessary using of electrical network or any cables

solar**X**BOX

Charging an e-bike and e-scooter

Charging a standard discharged e-bike and e-scooter takes about 4-5 hours, depending on the specific type and size of integrated battery capacity. It´s best to perform full charge at home, so you don´t have to wait in one place for several hours. But in a critical situation, if the battery is completely discharged, 1 hour of charging means a few more kilometers (5-8km). This might be enough to get you to your destination. 1 Hour of charging uses only about 100 Wh.

For example, our SolarXBOX UNO model can produce in Vienna more than 1,400 kWh per year which equals to **more than 10,000 of 1 hour charges in 1 year**. Of course this is only an approximate calculation. But it doesn't change the fact that a good placement of any of our SolarXBOXes can benefit the owner **with high payoff**.

DRAWER ACTIVATION

For example:

SMS in the form SKMI0013 to tel. number 8866

code SolarXBOX
(shown at the top of the SolarXBOX)

number of free socket
(green LED on)

SMS 8866

The format of the SMS and phone number will be adapted for each country to comply the local conditions of trade companies.

Possibility to use with other applications

SolarXBOX can be used as an ecological energy source and also for other devices located outdoors, which need a power supply and the distribution of a conventional electricity connection would be very expensive or very complicated. The interior provides enough space for various vending machines or coffee machines that could be installed inside our SolarXBOX after minor modifications. Our team would like to offer this great solution to you and together we can create another unique thing in the world.

SolarX.sk s.r.o.

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