Steora®

THE SMART BENCH

A new generation street bench

Global environmental circumstances call for concrete steps toward change in behaviour of urban citizens. Cities are overcrowded, and renewable energy and environmental protection have become the key economic and social challenges.

Street furniture is a simple entry point to a world of smart cities. A relatively simple looking product, but with vast usage potential, a solar powered bench comes with multiple functionalities – a wireless charging pad and charging ports for wired phones and other smart devices, night illumination, energy saving main controller, data collecting etc.

Our smart bench has in-built sensors for data collection and analysis, gathering information on, for example, the number of bench users, operability of various components, and atmospheric conditions. Additionally, bench owners can easily change settings on the dashboard.

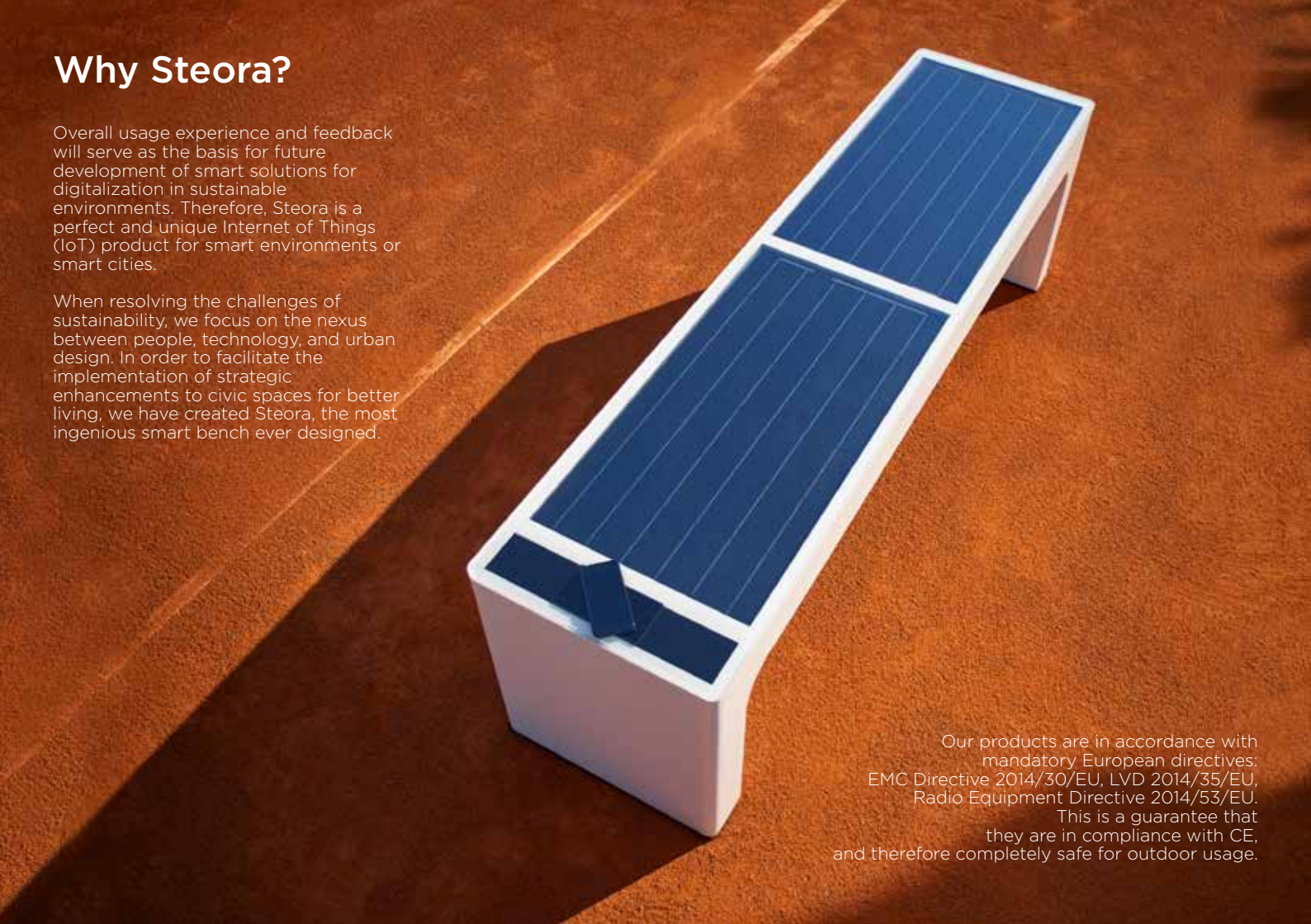
With its simple design and convenient size, Steora can be installed anywhere, outdoors and indoors.

www.steora.com

Why Steora?

Overall usage experience and feedback will serve as the basis for future development of smart solutions for digitalization in sustainable environments. Therefore, Steora is a perfect and unique Internet of Things (IoT) product for smart environments or smart cities.

When resolving the challenges of sustainability, we focus on the nexus between people, technology, and urban design. In order to facilitate the implementation of strategic enhancements to civic spaces for better living, we have created Steora, the most ingenious smart bench ever designed.



Our products are in accordance with mandatory European directives: EMC Directive 2014/30/EU, LVD 2014/35/EU, Radio Equipment Directive 2014/53/EU. This is a guarantee that they are in compliance with CE, and therefore completely safe for outdoor usage.

Steora STANDARD

Simplicity at its best

Steora Standard is the smart bench of choice in the world. It is designed for outdoor spaces exposed to plenty of sunlight, such as city squares, marinas or parks.

Steora Standard is 100% solar powered, and does not require any additional power supply or infrastructural changes.

The controller is specially developed to produce up to 30% more energy. In winter days, it monitors weather conditions and powers off the bench in case of bad weather.

With its simple, balanced design and convenient size, Steora can be installed to substitute regular street benches, bringing a touch of modern aesthetic to outdoor spaces together with solar-powered Wi-Fi hotspot and charging stations.

Lead production time: **7 - 14 days**

Minimum order: **1**

Available colors: **Signal White** **On request**

Construction
Dimensions: W: 178 cm; D: 45 cm; H: 50 cm. Weight: 88 kg

Photovoltaic modules
Monocrystalline / Total power: 110 W

Battery pack
Type: AGM / Capacity: 0.86 kWh

USB charging
Number of ports: 2
Power (per port): 5 W (1A)
Other: short circuit protection, LED light

Wireless charging
Power: 10 W / Efficiency: up to 70%

Internet technology
4G LTE / Speed: up to 150 Mbps / Range: 4 – 20 meters
Other: custom SSID, user and web page restriction, custom homepage...

Sensors
Temperature (-45 °C, + 60 °C)
Humidity (0% – 100%)
Device charging counters (cable and wireless)
Energy production & consumption
Internet connections counter & data traffic usage
Battery status
Rain sensor - powers the bench off in case of heavy rain
System sensor - analyses every device inside the bench

Cooling system
Type: air cooling / Number of fans: 4
Air flow: 370 m^3/h
Temperature trigger: 35°C

Ambient light
Range: 2 meters
Color: White


Steorā

Steora HYBRID

Feel the power

Steora Hybrid is a powerful model which includes all the functionalities of Steora Standard with an addition of integrated AC charging module.

It is mainly designed for use in countries with less sunlight during winter days. Combining the energy from solar panels and AC grid power, the bench retains all its functions throughout all the seasons, adapting to outside conditions.

Grid power is mostly used during lower insolation days. When the solar battery charge drops below 30%, AC module switches on to quickly recharge the battery system.

Since it can draw power from the AC grid, Steora Hybrid offers additional features such as seat heating, or powering other devices in its vicinity.

Lead production time: **7 - 14 days**

Minimum order: **1**

Available colors: **Signal White** **On request**

Construction
Dimensions: W: 178 cm; D: 45 cm; H: 50 cm. Weight: 88 kg

Photovoltaic modules
Monocrystalline / Total power: 110 W

Battery pack
Type: AGM / Capacity: 0.86 kWh

USB charging
Number of ports: 2
Power (per port): 5W (1A)
Other: short circuit protection, LED light

Wireless charging
Power: 10 W / Efficiency: up to 70%

Internet technology
4G LTE / Speed: up to 150 Mbps / Range: 4 – 20 meters
Other: custom SSID, user and web page restriction, custom homepage...

Sensors
Temperature (-45 °C, + 60 °C)
Humidity (0% – 100%)
Device charging counters (cable and wireless)
Energy production & consumption
Internet connections counter & data traffic usage
Battery status
Rain sensor - powers the bench off in case of heavy rain
System sensor - analyses every device inside the bench

Cooling system
Type: air cooling / Number of fans: 4
Air flow: 370 m^3/h
Temperature trigger: 35 °C

Ambient light
Range: 2 meters
Color: White

AC grid connector
Supply voltage: 230V AC
Power: 150 W

Steora URBAN+

The world within reach

Steora Urban+ is the most advanced street bench in the world. It is designed for use in highly frequented areas such as city streets, squares and other buzzing locations.

The signature feature of Steora Urban+ is the 19" super-bright LCD display, which can be used for showing ads, videos, pictures, or various information to the public (e.g. weather report).

Thanks to advanced software, users can easily upload videos or pictures to benches of their choice, and set campaign duration and frequency.

Video campaigns can also be connected to a Wi-Fi homepage, allowing bench users to view the same campaign on their smartphones.

Steora Urban+ requires AC grid power for 24/7 operation.

Lead production time: **up to 30 days**

Minimum order: **1**

Available colors: **Signal White** **On request**

Construction
Dimensions: W: 178 cm; D: 45 cm; H: 50 cm. Weight: 88 kg

Photovoltaic modules
Monocrystalline / Total power: 110 W

Battery pack
Type: AGM / Capacity: 0.86 kWh

USB charging
Number of ports: 2
Power (per port): 5W (1A)
Other: short circuit protection, LED light

Wireless charging
Power: 10 W / Efficiency: up to 70%

Internet technology
4G LTE / Speed: up to 150 Mbps / Range: 4 – 20 meters
Other: custom SSID, user and web page restriction, custom homepage...

Sensors
Temperature (-45 °C, + 60 °C)
Humidity (0% – 100%)
Device charging counters (cable and wireless)
Energy production & consumption
Internet connections counter & data traffic usage
Battery status
Rain sensor - powers the bench off in case of heavy rain
System sensor - analyses every device inside the bench

Cooling system
Type: air cooling / Number of fans: 4
Air flow: 370 m^3/h / Temperature trigger: 35 °C

Ambient light
Range: 2 meters / Color: White

AC grid connector
Supply voltage: 230 V AC / Power: 150 W

Camera
Night recording: Yes

Super-bright display
Size 19" / 1000 cd/sqm


CROATIA
Full of life

Steora CCTV

The future of urban security

Steora CCTV is developed to improve the safety of public spaces.

Combining smart tech for safer environments, it is intended for all locations which call for a higher level of security and public surveillance. Steora CCTV is equipped with 4 cameras, one on each side of the bench, creating 360° live stream.

The cameras also have night recording function with integrated infrared light.

Live stream is then available online, as well as an API for integration in any other website, or for recording on the NVR.

The bench is weather-resistant and vandal-resistant. Steora CCTV requires AC grid power for 24/7 operation.

Options for configuring Steora CCTV bench:

1. Access to live streaming and recordings through the Dashboard (Ethernet or optic fibre connection) + HDD storage inside the bench
2. Live stream exclusively through the Dashboard, no video storage on HDD (there is no HDD inside the bench)
3. Video material is stored on HDD inside the bench, no access to the recorded material or live stream through the Dashboard

Lead production time: **up to 60 days**

Minimum order: **1**

Available colors: **Signal White** **On request**

Construction
Dimensions: W: 178 cm; D: 45 cm; H: 50 cm. Weight: 88 kg

Photovoltaic modules
Monocrystalline / Total power: 110 W

Battery pack
Type: AGM / Capacity: 0.86 kWh

USB charging
Number of ports: 2
Power (per port): 5 W (1A)
Other: short circuit protection, LED light

Wireless charging
Power: 10 W / Efficiency: up to 70%

Internet technology
4G LTE / Speed: up to 150 Mbps / Range: 4 – 20 meters
Other: custom SSID, user and web page restriction, custom homepage...

Sensors
Temperature (-45°C, + 60°C)
Humidity (0% – 100%)
Device charging counters (cable and wireless)
Energy production & consumption
Internet connections counter & data traffic usage
Battery status
Rain sensor - powers the bench off in case of heavy rain
System sensor - analyses every device inside the bench

Cooling system
Type: air cooling / Number of fans: 4
Air flow: 370 m^3/h
Temperature trigger: 35 °C

Ambient light
Range: 2 meters
Color: White

AC grid connector
Supply voltage: 230 V AC
Power: 150 W

Camera
Night recording: Yes
Angle: 360°

include

DASHBOARD

Home

Steora

CCTV

Insolation

Advertising

Welcome,
ivanmrvosh

hr | en | es | de | it | fr

Bench ID

1040
1042
1056
1057
1058
1059
1065
1069
1171
1372
1191
1372
1384
1528

Location Solin
Bench owner Include
Is Active

Temperature: 27.8 ˚C
Humidity: 52,9 %

Recorded Events | View Camera Info

Recorded Events | View Camera Info

Recorded Events | View Camera Info

Recorded Events | View Camera Info

OFFLINE CHAT

Steora E

Power up & connect

Steora E is the only bench in Steora family without PV modules.

It is designed for indoor usage at highly frequented locations such as transit stations (bus stops, metro or train stations), shopping centers or airports.

Steora E offers the same functionalities as Steora Standard model.

Elegant design of the seating plate is achieved by combining black acrylic glass cover with integrated wireless charger.

Steora E requires AC grid power for 24/7 operation.

Lead production time: **7 - 14 days**

Minimum order: **1**

Available colors: **Signal White** **On request**

Construction
Dimensions: W: 178 cm; D: 45 cm; H: 50 cm. Weight: 58 kg

USB charging
Number of ports: 2
Power (per port): 5 W (1A)
Other: short circuit protection, LED light

Wireless charging
Power: 10 W / Efficiency: up to 70%

Internet technology
4G LTE / Speed: up to 150 Mbps / Range: 4 – 20 meters
Other: custom SSID, user and web page restriction, custom homepage...

Sensors
Temperature (-45 °C, + 60 °C)
Humidity (0% – 100%)
Device charging counters (cable and wireless)
Energy consumption
Internet connections counter & data traffic usage
System sensor - analyses every device inside the bench

Cooling system
Type: air cooling / Number of fans: 4
Air flow: 370 m^3/h
Temperature trigger: 35 °C

Ambient light
Range: 2 meters
Color: White

AC grid connector
Supply voltage: 230 V AC
Power: 150 W

24/7 Dashboard

Steora's dashboard is actually the brain of the bench.

Once they purchase Steora, our customers get their personal profile on Include's web based dashboard. At any time, from any location, Steora owners can get fresh data feed from their benches to learn about their current status. This is a feature that makes Steora smart bench more advanced than any other similar product on the market.

The dashboard performs the following functions:

- overview of all locations where Steora benches are installed,
- reporting information on the number of charged devices,
- the number of Wi-Fi users and their internet consumption,
- remote control of internet access (including changing passwords),
- remote control of ambient lights and charging signal lights (including setting times to turn the lights on and off automatically),
- and providing weather info like a mini meteo station (measuring humidity, temperature, and precipitation in the area).

include

DASHBOARD

- Home
- Buyers
- Benches
- Insolation
- Advertising

Welcome,
ivanmrvosh

hr | en | es | de | it | fr

Bench ID

1040
1042
1056
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1059
1065
1069
1171
1372
1191
1372
1384
1528

Location Solin
Bench owner Include
Is Active

Temperature: 27.8 ˚C
Humidity: 52,9 %

Usage summary

Select date range: From To

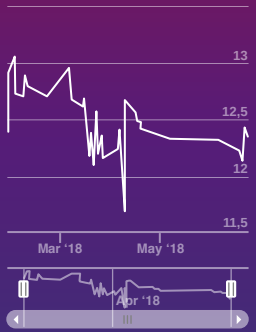
2.984	2.225	306	36	560	13470
Solar produced kWh	Consumed kWh	USB charging	Wireless Charging	Wi-Fi users	Internet data usage [MB]

Last Report: Oct 15, 2018 7:58:00

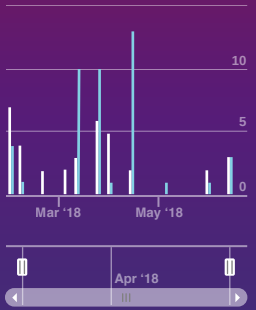
Select chart to show

- ☐ Solar power
- ☑ Battery Voltage
- ☐ Internet user count
- ☑ Charging counter
- ☐ Monthly usage
- ☑ Weather
- ☐ Battery status
- ☐ Grid power

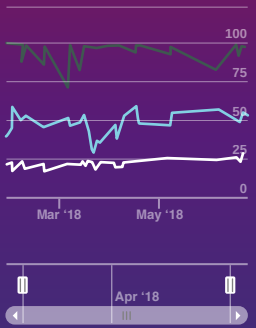
Battery Voltage



Usb and Wireless charging counter



Weather



OFFLINE CHAT

Additional options

Extra wireless charger
Additional wireless charging pad with Qi wireless charging technology
Bench models: All
Minimum quantity: 1 pc

Seat heating system
Heaters integrated in the seating plate able to raise temperature to 35°C
Bench models: All except Standard
Minimum quantity: 1 pc

Optical fiber connection
Equipment inside the bench for connecting optical fiber cable
Bench models: All
Minimum quantity: 1 pc

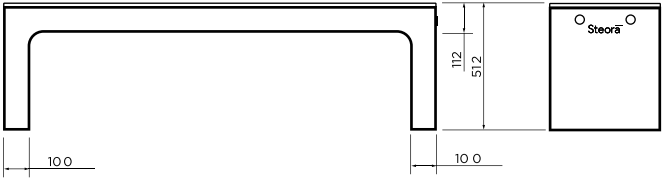
Sound system
Audiovisual reproduction system
Bench models: Urban, Urban+
Minimum quantity: 1 pc

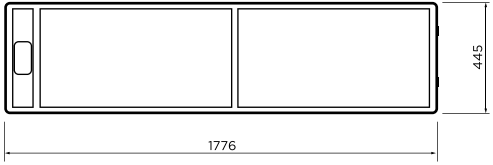
Bicycle rack
Single bike rack installed on demand
Bench models: All
Minimum quantity: 1 pc

Radio system
DVBT stream radio stations with pre-defined frequency - motion sensor activation
Bench models: All
Minimum quantity: 1 pc

Designed & Produced in EU

FAQ





How long does it take to fully charge a phone device?
Charging time depends on charging type and smartphone model. When using wireless charger, it usually takes up to 90 minutes to fully charge a device, as the technology is still in development phase. Charging speed when using USB ports is usually between 1 and 1.8% of battery per 1 minute. Charging speed also depends on whether the smartphone is in use while charging, or in the stand-by mode.

What is the difference between Urban and Urban+ smart bench?
The main difference is in type and quality of display. Steora Urban+,has five times brighter display, and is meant for outdoor advertising; Steora Urban is a better fit for indoor advertising.

How come the bench does not have a back rest?
Our bench was designed to fit seamlessly into any environment, and allow seating from all sides. A back rest would disrupt this concept and potentially create problems with charging since shadowing negatively affects the energy yield of PV modules.

How many days can Steora work without sunlight?
This depends on several factors such as the number of bench users, amount of sun and clouds in the course of a day, etc. Usually, Steora can function normally up to 5 days without direct sun exposure, before the primary functions start to power off to save the battery. USB charging ports are the last to shut down.

How long does it take for a bench to be fully charged?
In summer days, Steora can charge its battery system within 1 day, while in winter this can take up to 10 days. That is why Steora is mostly in standby mode during winter (this refers only to Steora Standard, as all other models are AC grid connected and maintain full functionality throughout the year).

What surface should the bench be installed on?
Steora has to be installed on a solid surface – concrete, asphalt or stone. The surface needs to be at least 10 cm deep. In case of Steora Standard, the bench location has to be directly exposed to sunshine.


We create amazing
technology products.

We are Include.

A European hardware company, founded by young innovator Ivan Mrvoš, we earned recognition following a large investment in 2017, quickly becoming one of the best producers of smart street furniture in Europe.

Based in Solin, Croatia, in a 2000 m^2 facility with 60 highly educated employees, we are recognized as a serious development IoT platform, growing rapidly in terms of company size, sales volume and global reach.

With global footprint of more than 1400 benches on 54 markets around the world, we are involved in major 'Smart city' projects, and have made our presence known in 260 cities and municipalities across 6 continents.

Our highly skilled R&D team works on development of both hardware and software solutions, which in effect means we have the capability to develop any IoT, or solar powered solution for smart cities.

Our supply channels, in combination with production department, sales and customer care unit, can respond quickly and deliver even the most complex solutions of the highest quality to our customers.

We believe that technology is a driver of equality and inclusion. Our mission is to find undiscovered potential around us, and use it to create amazing technology products, designed to improve lives of urban users.

Smart City Design
VMJ Lighting
info@velitronic.nl
https://www.smartcitydesign.nl/
tel; +31(0)616042383

Smart City Desing


Monnā™
THE CYCLING POINT
Monnā

A whole new cycling experience

We are faced with rising global environmental challenges that require renewable energy solutions and environmentally-friendly practices to be introduced in our daily lives.

Cycling is both “greener” and healthier alternative to driving, or using public transport. Moreover, areas with well-developed cycling infrastructure are known to provide more comfortable living and working conditions.

Monna cycling point is a simple entry point to the world of smart cycling equipment. A relatively simple looking product, but with broad usage potential, a solar powered cycling point comes with multiple functionalities – bike racks and electrical sockets for charging electric bicycles, bike repairing tools, wireless charging pad and charging ports for wired phones, night illumination, data collecting etc.

Our smart cycling point has in-built sensors for data collection and analysis, gathering information on, for example, the number of charged bicycles, operability of various components, and atmospheric conditions. An additional advantage is that settings can easily be changed on the Monna cycling point dashboard according to the owner’s particular needs.

With powerful solar panels and elegantly designed, high-quality steel construction, Monna cycling point can be installed anywhere – in both urban and rural areas.

Why Monna?

Cycling in urban and rural areas has become a global trend. This gave rise to a whole new tourism branch dedicated to cycling enthusiasts – cyclotourism. Monna cycling point therefore presents a perfect and unique Internet of Things (IoT) product for smart environments, both in the cities and in the countryside. Overall usage experience and feedback will serve as the basis for future development of smart solutions for digitalization in sustainable environments.

In our efforts to resolve the challenges of sustainability, we focus on the nexus between people, technology, and urban design. Monna is created to be the most advanced cycling point in the world, with the purpose of facilitating the implementation of strategic enhance ments to civic spaces for better living.

Monna STREET

There, when you need it

Monna Street is a compact cycling point for narrow locations, such as streets or cycle tracks.
Regardless its compact size, Monna Street basic functions are 100% solar powered, and do not require any additional power supply, or infrastructural adjustments.

A hybrid module upgrade allows for more advanced functions, such as electric bicycle charging sockets, outdoor digital display, CCTV system etc.; however, it requires AC grid power.

With its simple, balanced design and convenient size, Monna Street brings a touch of modern aesthetic to outdoor spaces while also serving as a multifunctional cycling stop point.

Lead production time: **60 – 90 days**

Minimum order: **1 pc**

Available colours: **White** **Other colours on request**

Construction
Dimensions: W: 194 cm; D: 65 cm; H: 220 cm
Weight: 320 kg + (depending on additional options)

Photovoltaic modules
Monocrystalline / Total power: 110 W

Battery pack
Type: AGM / Capacity: 0.86 kWh

USB charging
Number of ports: 2; Power (per port): 5 W (1A)

Wireless charging
Number of chargers: 2; Power: 10 W / Efficiency: up to 70%

Internet technology
4G LTE / Speed: up to 150 Mbps / Range: 4 – 20 meters
Other: custom SSID, user and web page restriction, custom homepage...

Sensors
Temperature, humidity, device charging counters, energy production & consumption, Internet connections counter & data traffic usage, battery status, rain sensor, system sensor, bicycle parking counter, electrical bicycle charger counter, etc.

Ambient light
Range: 2 meters; Colour: White

LCD Display
Size: 7"; Type: TFT display
Monna battery status, operability of various components, electrical charger bicycle control, air compressor control, etc.

Bike repair kit
Set with standard screwdrivers; 6 regular wrenches
8 hex keys of various sizes

Air compressor
Operated by using 7" LCD display; Adjustable air hose
Start/stop system

Monna CITY

Ride around the city

Monna City is a perfect cycling point for urban locations, such as city squares, marinas or parks.

Its basic functions are 100% solar powered, and do not require any additional power supply, or infrastructural adjustments.

A hybrid module upgrade allows for more advanced functions, such as electric bicycle charging sockets, outdoor digital display, CCTV system etc.; however, it requires AC grid power.

With its simple, balanced design and convenient size, Monna City brings a touch of modern aesthetic to outdoor spaces while also serving as a multifunctional cycling stop point.

Lead production time: **60 – 90 days**

Minimum order: **1 pc**

Available colours: **White** **Other colours on request**

Construction
Dimensions: W: 276,5 cm; D: 65 cm; H: 220 cm
Weight: 400 kg + (depending on additional options)

Photovoltaic modules
Monocrystalline / Total power: 165 W

Battery pack
Type: AGM / Capacity: 0.86 kWh

USB charging
Number of ports: 2; Power (per port): 5 W (1A)

Wireless charging
Number of chargers: 2; Power: 10 W / Efficiency: up to 70%

Internet technology
4G LTE / Speed: up to 150 Mbps / Range: 4 – 20 meters
Other: custom SSID, user and web page restriction, custom homepage...

Sensors
Temperature, humidity, device charging counters, energy production & consumption, Internet connections counter & data traffic usage, battery status, rain sensor, system sensor, bicycle parking counter, electrical bicycle charger counter, etc.

Ambient light
Range: 2 meters; Colour: White

LCD Display
Size: 7"; Type: TFT display
Monna battery status, operability of various components, electrical charger bicycle control, air compressor control, etc.

Bike repair kit
Set with standard screwdrivers; 6 regular wrenches
8 hex keys of various sizes

Air compressor
Operated by using 7" LCD display; Adjustable air hose
Start/stop system


MERIDA

Monna COUNTRY

Reach the hilltops

Monna Country is our most powerful cycling point model, designed for countryside locations, such as countryside cycling routes, hills, etc.

Its basic functions are 100% solar powered, and do not require any additional power supply, or infrastructural adjustments.

Larger and more powerful solar panels allow Monna Country to perform more advanced functions, such as electric bicycle charging sockets, running entirely on solar power, and eliminating the need for AC grid power.

Monna Country allows charging of electric bicycles even on the most inaccessible locations, thus extending cycling range on countryside routes.

Lead production time: **60 – 90 days**

Minimum order: **1 pc**

Available colours: **White** **Other colours on request**

Construction
Dimensions: W: 333,5 cm; D: 75 cm; H: 220 cm
Weight: 480 kg + (depending on additional options)

Photovoltaic modules
Monocrystalline / Total power: 270 W

Battery pack
Type: Li-ion / Voltage: 24 V / Capacity: 1.47 kWh

USB charging
Number of ports: 2; Power (per port): 5 W (1A)

Wireless charging
Number of chargers: 2; Power: 10 W / Efficiency: up to 70%

Internet technology
4G LTE / Speed: up to 150 Mbps / Range: 4 – 20 meters
Other: custom SSID, user and web page restriction, custom homepage...

Sensors
Temperature, humidity, device charging counters, energy production & consumption, Internet connections counter & data traffic usage, battery status, rain sensor, system sensor, bicycle parking counter, electrical bicycle charger counter, etc.

Ambient light
Range: 2 meters; Colour: White

LCD Display
Size: 7"; Type: TFT display;
Monna battery status, operability of various components, electrical charger bicycle control, air compressor control, etc.

Bike repair kit
Set with standard screwdrivers; 6 regular wrenches
8 hex keys of various sizes

Air compressor
Operated by using 7" LCD display; Adjustable air hose
Start/stop system


Monna

Advanced wireless chargers integrated in seating surface

24/7 Dashboard

Monna's dashboard is in effect the brain of the cycling point.

Once they purchase Monna cycling point, our customers get their personal profile on Include's web-based dashboard. At any time, from any location, Monna cycling point owners can get fresh data feed from their cycling points.
This is a feature that makes Monna cycling point more advanced than any other similar product on the market.

The dashboard performs the following functions:

- Overview of all locations where Monna cycling points are installed
- Reporting information on the number of charged bicycles*
- Reporting information on the number of charged smart devices
- Reporting information on the number of bicycles parked on the bike rack
- Reporting information on the number of Wi-Fi users and their internet consumption
- Remote control of internet access (including changing passwords)
- Remote control of ambient lights and charging signal lights (including setting times to turn the lights on and off automatically)
- Providing weather info like a mini meteo station (measuring humidity, temperature, and precipitation in the area).

*works only when Monna is upgraded with additional equipment (electrical sockets)

include

DASHBOARD

- Home
- Steora
- Monna
- Insolation
- Advertising

Welcome,
ivanmrvosh

hr | en | es | de | it | fr

Monna ID

1040
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Location Solin
Bench owner Include
Is Active

Temperature: 27.8 ˚C
Humidity: 52,9 %

Usage summary

Select date range: From To

2.984	2.225	306	36	560	13470
Solar produced kWh	Consumed kWh	USB charging	Wireless Charging	Wi-Fi users	Internet data usage [MB]

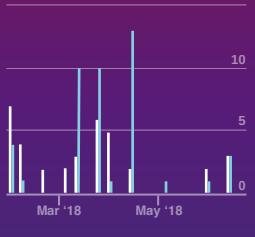
Last Report: Oct 15, 2018 7:58:00

Select chart to show

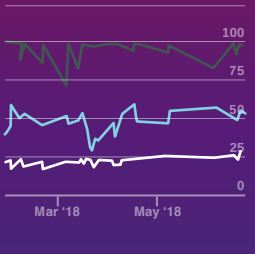
- [ ] Solar power
- [x] Battery Voltage
- [ ] Internet user count
- [x] Charging counter
- [ ] Monthly usage
- [x] Weather
- [ ] Battery status
- [ ] Grid power

Battery Voltage

Usb and Wireless charging counter



Weather



OFFLINE CHAT

Additional options

Electrical sockets

Two electrical sockets operated by 7“ display. Each socket provides up to 250W of power for charging lectric bicycles, laptops, or other electronic devices.
Cycling point models: All (*Monna Street/City require hybrid module for full operation)
Minimum quantity: 1 pc

Billboard

Billboard for classical paper advertising. B2 poster for Monna Country (500 x 707 mm), and B3 poster for Monna City (353 x 500).
Cycling point models: All (*Monna Street/City require hybrid module for full operation)
Minimum quantity: 1 pc

Digital display

Digital display for outdoor advertising, operated using the Monna Dashboard.

- Monna Street/City: 27“ (336 x 597 mm) 1080 x 1920 super-bright outdoor display
- Monna Country: 37“ (460 x 820 mm) 768 x 1366 super-bright outdoor display
- Cycling point models: All (**all models require hybrid module for full operation)

Minimum quantity: 1 pc

CCTV camera

CCTV camera with integrated night recording. Video is stored on the hard drive inside the cycling point.

Cycling point models: All (*Monna Street/City require hybrid module for full operation)
Minimum quantity: 1 pc

Sound system

Audio-visual reproduction system.
Cycling point models: All
Minimum quantity: 1 pcs

Bicycle rack

Single bike rack installed on demand.
Cycling point models: All
Minimum quantity: 1 pc

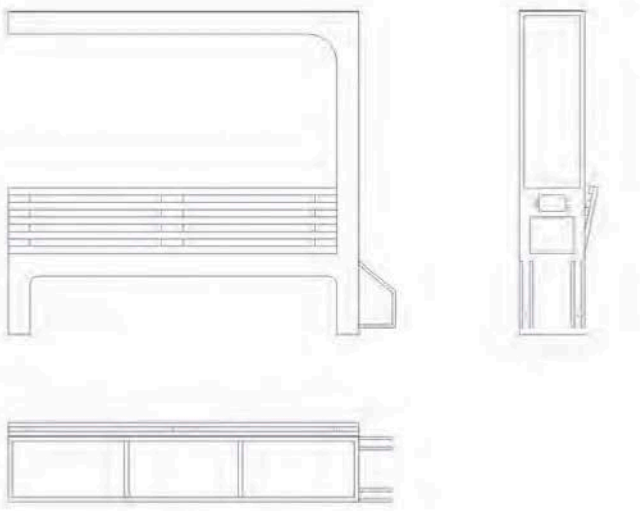
Radio system

DVBT stream radio stations with pre-defined frequency - motion sensor activation.
Cycling point models: All
Minimum quantity: 1 pc

Our products are in accordance with mandatory European directives: EMC Directive 2014/30/EU, LVD 2014/35/EU, Radio Equipment Directive 2014/53/EU. This is a guarantee that they are in compliance with CE, and therefore completely safe for outdoor usage.

Designed & Produced in EU


SEVEN



FaQ

How long does it take to fully charge an electric bicycle?

Charging time depends on the bicycle charger and battery capacity. Each electrical socket on Monna cycling point provides up to 250W of electricity, which exceeds the amount of power standard bicycle chargers normally use. Ideally, it could fully charge bicycle battery in under 90 minutes. Regular electric bicycle charging time to full battery is between 3 and 5 hours.

How many days can Monna City (without hybrid upgrade) work without sun?

This depends on several factors, such as the number of Monna cycling point users, amount of sun and clouds during daylight hours etc. Usually, Monna cycling point can function normally up to 5 days without direct sun exposure before the primary functions start to power off to save the battery. USB charging ports are the last to shut down.

How does air compressor work?

Air compressor is easily operated by using 7"display on Monna cycling point. Simply set the required amount of air pressure on the display, connect the air hose to the tyre valve and click 'START' on the display. When adequate air pressure is reached, the charging will stop.

How long does it take for Monna City (without hybrid upgrade) to be fully charged?

In summer days, Monna City can charge its battery system within 24 hours, while in the winter this can take up to 7 days. This is why Monna City is mostly in standby mode during winter (this refers only to Monna City, since Monna Country produces 240W of energy from solar panels, so its charging period is shorter).

We create amazing technology products.

We are Include.

A European hardware company founded by young innovator Ivan Mrvoš, we earned recognition following a large investment in 2017, quickly becoming one of the best producers of smart street furniture in Europe by inventing and producing Steora smart bench.

Our supply channels, in combination with production department, sales and customer care unit, can respond quickly and deliver even the most complex solutions of the highest quality to our customers.

Monna cycling point is our new GreenTech and IoT solution intended for bike users in urban and rural areas, and directly responding to growing demands of cyclotourism.

Our highly skilled R&D team is engaged in development of both hardware, and software solutions, which in effect means we have the capability to develop any IoT or solar powered solution for smart cities.

Based in Solin, Croatia, in a 2000 m^2 facility with 35 highly educated employees, we are recognized as a serious development IoT platform, growing rapidly in terms of company size, sales volume and global reach.

With Steora smart bench global footprint of more than 1100 benches on 46 markets around the world, we are involved in major ‘Smart city’ projects, and have made our presence known in over 260 cities and municipalities across 6 continents.

We believe that technology is a driver of equality and inclusion. Our mission is to find undiscovered potential around us, and use it to create amazing technology products designed to improve lives of urban and rural users.

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