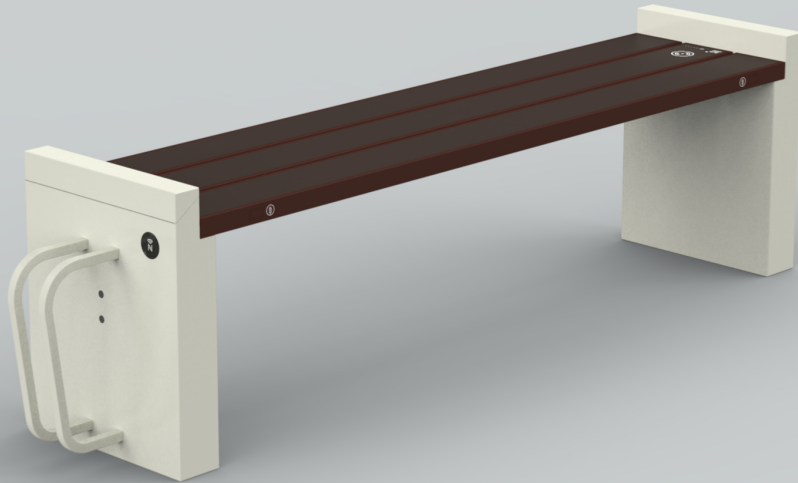


# Steora Cyclo

Datasheet

1



Developed for cycling off the beaten path, Steora Cyclo brings everything an urbanite or outdoorsy person might need on their bike or scooter commute - two bike racks, smart chargers for e-bikes and e-scooters, together with an air compressor and highquality tools kit, responding to all possible needs of bike and other lightweight vehicle users.

Cyclo model also comes with fast wireless charging, environmental sensors and is fully modular with add-ons such as lowerpot.

Bike repair station holds Phillips and flathead screwdrivers, hexagons size 4, 5 and 6 and wrenches from size 7 to 16. Built in air compressor unit allows riders to check the tire pressure and top up their tires using a schrader or presta valve.

## Dimensions

2310 x 565 x 440 mm

## Weight

105 kg

## IK rating

IK08

## Materials

alu-zinc, aluminium, hot-dip zinc coated steel [EN10346], galvanized low carbon steel [ISO 2081]

## Operating temperature

-20°C to 50°C

## Operating Humidity

(RH) 0-100%

## Environment

C4/C5\* (\*on request)

## IP rating

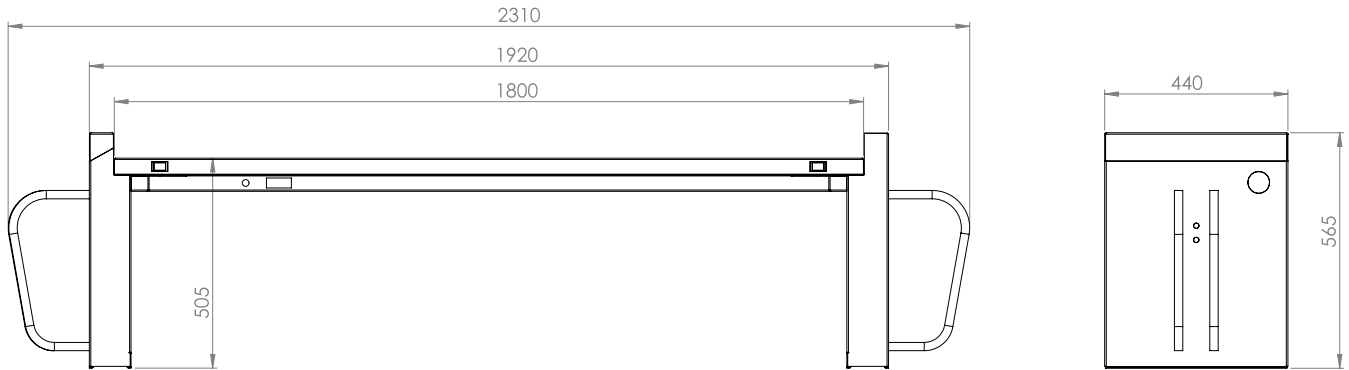
IP54/IP2X

## Noise level

30 dBA

## Maximum load per beam

250kg



## PV modules

- Combined rated power**  
100 W
- MPPT tracking speed**  
<100ms
- Combined efficiency**  
50.00%
- MPPT for each beam**  
Yes

## Qi wireless charging

- Rated power**  
10 W
- Range**  
6 mm
- Qi efficiency**  
Up to 80%
- Qi activation time**  
<2s

## Li-ion battery pack

- Total energy**  
320 Wh
- Rated voltage**  
11.1 V
- Max. voltage**  
12.6 V
- Peak power**  
400 W
- Continuous power**  
300 W
- Over current protection**  
40 A
- Over discharge protection**  
<3 V per cell
- Short circuit protection**  
<100µs
- Cell balancing**  
Yes
- State of charge indicator**  
Yes

## LED ambient light

**Rated power**

8 W

**Color temperature**

4500 K

**Dimmable**

Yes

**Time controlled light**

Yes

## Seating surface cooling system

**Rated power**

10 W

**Air flow**

52 CFM

**Temperature trigger**

20°C to 45°C

**Noise level**

30 dBA

## Sensors

**Pressure sensor**

700 ~ 1100 hPa

**Humidity sensor**

0 ~ 99 %RH ±2.0 %RH (20~80%RH)

**Temperature sensor**

-40°C to 85°C ±2 °C

**Occupancy sensor trigger**

20 kg

## AC socket

**Output voltage**

230 V

**Max. power**

300 W

**Continuous power**

150 W

**Operating temperature**

-20°C to 50°C

**Thermal protection**

Yes

## DC charging plugs

**Output voltage**

12V/24V/36V (automatic recognition)

**Continuous power**

63 W

**Charging amperage**

1.5 A

## Air compressor

**Compressor pressure**

8 bar

**Pressure sensor resolution**

±0.1bar

**Supported valves**

Dunlop, Presta & Schrader

## Hand tools

**NFC trigger**

2 cm

**Spanner sizes (mm)**

7, 8, 9, 10, 13, 14, 15, 16

**Allen key sizes**

4, 5, 6

**Flat screwdriver size**

4 mm

**Tool lines length**

1,2 m

## Internal server communication system

**GSM band**

850/900/1800/1900 MHz

**Transmitting power**

Class 4 (2W) at 850/900MHz, Class 1 (1W) at 1800/1900MHz

**GPS type**

22 tracking (66 acquisition), GPS L1 C/A code

**Accuracy**

GPS L1 C/A code