

# Steora Classic

Datasheet

1



Steora Classic is developed as a replacement for all regular street benches around the world.

Core features are PV modules, fast wireless charging, ambient light and environmental sensors. The design is fully modular, with possibilities to change armrests, legs and other parts of the bench, making it adaptable for any location in the world.

Armrests hide two Qi charging spots, with room for additional USB fast chargers compliant with Apple, Huawei and Samsung standards.

Bottom of the seat houses LED strips controlled by an ambient light sensor that tracks natural lighting conditions and turns on automatically.

With a set of extraordinary additional options, the Classic model can become e.g. Mini weather station or even outdoor heating spot during the cold winter days.

## Dimensions

1800 x 505 x 635 mm

## Weight

55 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

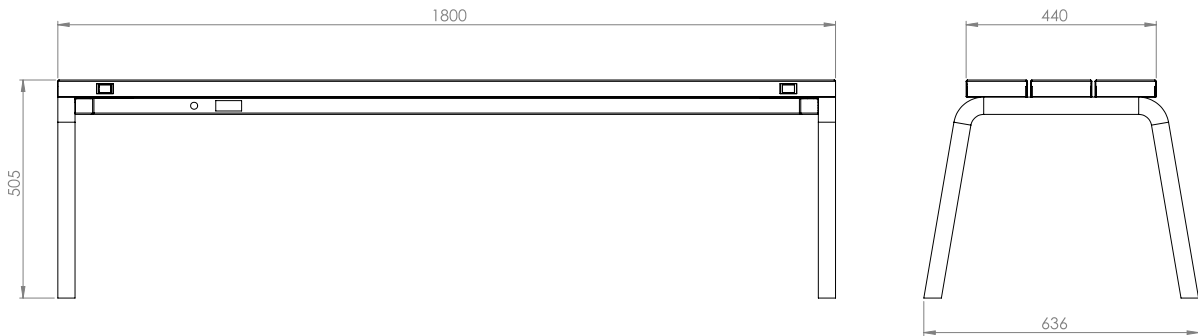
IP54/IP2X

## 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

## LED ambient light

**Rated power**  
8 W

**Color temperature**  
4500 K

**Dimmable**  
Yes

**Time controlled light**  
Yes

## Li-ion battery pack

**Total energy**  
190 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

## 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

## Seating surface cooling system

**Rated power**  
10 W

**Air flow**  
52 CFM

**Temperature trigger**  
20°C to 45°C

**Noise level**  
30 dBA

## 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