

Steora Classic

Datasheet



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]

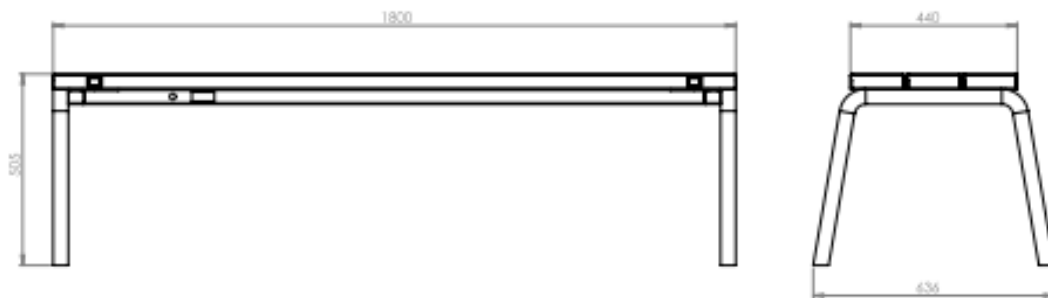
IP rating
IP54/IP2X

Noise level
30 dBA

Maximum load per beam
250kg

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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

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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