



# Steora City

Datasheet

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Steora City smart bench is the world most powerful bench ever created.

City shares same technology and core features as the Classic model, but with wider set of additional options.

When equipped with optional LCD display and advanced AI camera for precise DODH advertising, City becomes a perfect option for high frequent locations, thus creating revenue and ROI - already proven in several cities around the world.

Our new City model also provides fast wireless charging and network of reliable sensors which gather information in bench surrounding - all packed in self-sustainable and environmentally friendly product with refurbishing option.

**Dimensions**  
1800 x 505 x 440 mm

**Weight**  
65 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

[worldofesf.com](http://worldofesf.com)

**E** [sales@worldofesf.com](mailto:sales@worldofesf.com)  
**T** UK +44 (0) 2890 364 101  
US 1-888-601-6444



Environmental Street Furniture  
Valley Business Centre  
67 Church Road  
Newtownabbey  
Belfast, BT36 7LS

Company No. NI615794

VAT GB 153402248