



**Solar Range 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 DOOH 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



## 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

# solarbenchcity

datasheet



## 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