



# SMART IoT PLATFORM DATASHEET OMNIBENCH

USE  
YOUR  
ENERGY

[www.omniflow.io](http://www.omniflow.io)

# OMNIBENCH



Omnibench is a urban furniture design for public spaces patented by Omniflow.

The contemporary design is inspired in the Omniled smart platform shape and can interact with this product with multiple optional features like, bottom light, USB or wireless charging points and electric bicycles docking stations.

The water tight bench can be opened and be used for other technical purposes like the installation of a camouflaged base station for a telecommunications provider or simply more batteries.

The Omnibench can be filled with sand/water or simply bolted to the ground.

## Models

Omnibench

## Solar

Optional

Solar Cell n-type, monocrystalline Si, >22%Eff @STC

Controller MPPT Solar Charge Controller

Power 120Wp, 0 degrees

## Battery

Optional

Battery Bank 500Wh (3x 12V 14Ah C10 Lead Crystal)  
Up to 2400Wh (2x 100Ah 12V C10 Lead Crystal)

Charging Initial Charging Current 4.2A14.7V/ (25°C)

Cycle Life Typical 3,392 cycles (@40% DOD, 25°C), Max 6,000+ cycles

## Body Shell

Material Composite Fiberglass/Resin  
Transparent to radio waves

Finishing Marine grade gel coat

Color RAL 9010

Space inside Can fit 3 (Three) objects up to:  
500 x 400 x 300mm

## General

Dimensions 0.5m height, 2.16m maximum length

Weight 50Kg per module

Nominal Voltage 12VDC

Ingress Protection IP65

Impact Protection IK08

Mounting Mounts:  
Bolted to the ground  
Fill with water  
Fill with sand

Transportation Package dimensions:  
2.20m x 0.95m x 0.50m  
Up to 6 units stackable

Optional Accessories IoT integration inside Body Shell for multi-application:

- Bottom lighting (bench)
- E-Bike Charging Station
- E-Scooter Charging Station
- USB Charger ports
- Wireless Charger
- Wifi Ethernet Router AP
- Wifi Ethernet Fiberoptic Router AP
- LoRA Gateway (under consultation)
- Transmission - 4G Modem, ethernet, fiber, P2P, P2MP
- Small Cell integration (under consultation)

Warranty 2-year warranty, Extended EOL support option