

Omniflow®

OMNI BENCH

smart city
& sustainable mobility



www.omniflow.io

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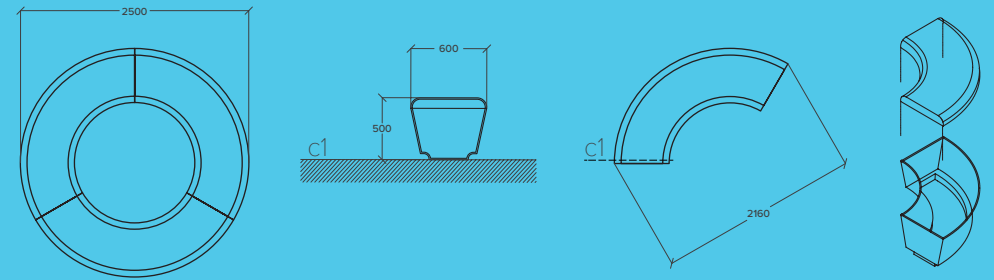
Omnibench is a urban furniture design for public spaces patented by Omniflow.

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.

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: 500x400x300mm
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



Configuration options

