

SOLAR-POWERED WASTE COMPACTOR BINS FOR PUBLIC SPACES



The RAY® is the sustainable solution providing waste and litter-management in any controlled public space. The RAY® collection process is 85% more efficient with similar reductions to the carbon-footprint. The RAY® compactor enables more than seven times the original waste volume to be collected before emptying of the bin becomes necessary. The solar powered system makes the RAY® independent from power cables and easy to install or remove. Using a standard (EN840-1) 120 liter wheelie bin, the RAY® is simple to empty manually or by combloader, enabling ergonomic and safe working conditions. The solid steel construction and keyless operation makes it highly resistant to vandalism and unwanted attention. The waste hopper can be locked and unlocked remotely if required for safety reasons.

An email notification is automatically sent out by the CleanCitymanager® web portal when the RAY® is nearing full, triggering the collection schedule. This solution optimizes the collection route and times, saving fuel, reducing harmful emissions and minimizing vehicle movements, herewith reducing noise and keeping public spaces safer.



- ✓ Easy to operate, easy to maintain
- ✓ Solar powered, they keep working for over 72 hours without any direct sunlight
- ✓ Independent of power cables so easy to install or remove
- ✓ On-the-spot compaction of litter allow less frequent collections
- ✓ Compacts over 600-800 litre of waste into a 120 litre wheelie bin
- ✓ Saving up to 75% on collection cost and CO2 exhaust
- ✓ GPRS wireless datatransfer – GPS location tracker
- ✓ Remote management via web-portal
- ✓ Sends email notifications for (nearly-)full
- ✓ Remote lockout if required for safety reasons
- ✓ Keyless (RFID) door control makes it highly resistant to vandalism and unwanted attention
- ✓ Built tough made from recycled steel (no plastic anywhere), powder coated, and the base is galvanised against rust
- ✓ Weather and animal-proof for a long service life

TECHNICAL FEATURES / DATA

Material door and body	2-3 mm powder coated steel RAL 7016
Material hopper assembly	Stainless steel 304
Material base and footpedal	Galvanized steel
Dimensions	w 561, h 1485, d 644 mm
Weight	155 kilo
Compactor type	Electric actuator
Battery type	12V, 41Ah gel for solar
System power	115W
Compaction rate (litter)	> 5x (600 litre)
Compaction rate (fastfood)	> (960 litre)

STANDARD SUPPLY

Foot pedal
30 Wp Solar panel
LED filling level indicator
Hoisting kit
Keyless (RFID) door control
Remote (un)lock control
Grey powder coated
Blue LED night illumination
GPS positioning
Cleancitymanager®, first year
Combloader, compatible
Soft close hopper system
Non-stop throw-in

OPTIONAL

1.8 litre, ashtray set (stainless)
Anti-graffiti coating
Parts in stainless 304 or 316
Sound system
2nd LED on back
Wheellie bin 120 litre
>10 pc RFID Collector and Lock pass
Waste bags, extra strong
Cleancitymanager®, extensions
Wrapping, signage
Concrete foundation 60x60x20 cm
Galvanized foundation plate
Service and installation agreement



Always in control



Savings



Cleaner world



Solar powered



Wireless



Remote lock system

Cleancitymanager®

The Cleancitymanager® is the web-based portal for remote management of RAY® systems. Behind a personal log-in, the portal allows the waste manager to

- Check fullness, correct operation, energy system etc.
- Add or delete additional users and groups
- Create functionality graphs
- Adjust levels for (nearly) full notifications
- Send summaries or export files in PDF and Excel
- View positions and filling-status on maps
- Remote (un)locking of the hopper
- Create service tickets
- Upload new software-updates

Each new RAY® comes with 12 months free subscription to Cleancitymanager®. During working hours, an online service and help desk for connected RAY® is available. A 5-year or lifetime subscription is available at the moment of purchase of the compactor.

