

Technical specifications



Construction

Dimensions: W: 53 cm ; D: 53 cm ; H: 125 cm.

Weight: 60 kg.

Materials: alu-zinc, aluminium, hot-dip zinc-coated steel [EN10346], galvanized low carbon steel [ISO 2081]



Photovoltaic modules

IK08 (EN 62262) vandal proof

40W power output



Li-ion battery pack

Low-temperature resistance

Advance BMS



Waste level sensor

Real-time waste level tracking



Sensors

PHT sensor – pressure, temperature, humidity

Energy sensors

Users counter (number of waste disposals)



Real-time GPS location

Online alarm if bin location changes

Location visible over Solos Smart City platform



Internal server communication system

Included 5-year connectivity with Solos Smart City platform

Online product maintenance and updates



Smart RFID lock

RFID cards for unlocking the can when emptying

Simple cards management through Solos



Motion activated waste lid

The lid opens as pedestrians approach the bin
Safety mechanism for objects that are preventing the lid from closing
Made from strong polycarbonate



Waste level indicator

Visible to pedestrians
Indicating bin status – empty and unlocked or full and locked



Battery status indicator

Integrated into the trash can body
25%, 50%, 75% and 100% status

Additional options



Waste compaction system

Autonomous mechanical press
Compacting up to 5 times more waste compared to a regular container, depending on the waste type



External power supply

12V charger for fast charging
Charged in less than 30 minutes



Audio system

Pre-recorded audio messages, such as “thank you for sorting waste”



Fire sensor

Real-time alarm in the case of fire



Noise sensor

Sensor range from 25 dB to 130 dB
