

Binology SmartCity – is an automated system for the collection of municipal solid waste, operating by self-developed IoT platform with waste compacting and monitoring options, includes management and optimisation of recycling processes



Powered by solar



Vandal resistant



Compacting up to 8 times



On-line monitoring



Built-in sensors



Advertising options



	SMARTCITY BIN 120	SMARTCITY SEPARATION STATION 2	SMARTCITY SEPARATION STATION 3	SMARTCITY BIN INDOOR TV
Placement	outdoor	outdoor	outdoor	indoor
Waste level sensor, IoT controller	✓	✓	✓	✓
Foot pedal	✓	✓	✓	✓
Smoke detector	✓	✓	✓	✓
Tilt-kick sensor	✓	✓	✓	✓
Location tracker (GPS/GLONASS module)	✓	✓	✓	✓
Data link (GSM module)	✓	✓	✓	✓
IAQ-sensor (air quality sensor)	✓	✓	✓	✓
Weather station (temperature, humidity, pressure)	✓	✓	✓	-
Binology SmartCity Management 3-Year	✓	✓	✓	✓
Cigarette receptacle (ashtray)	optional	optional	optional	optional
Pet waste bag dispenser	optional	optional	optional	-
Wrap advertising	optional	optional	optional	optional
Advertising side panels	optional	optional	optional	interactive
Advertising video displays (24/7)	-	-	-	2 x 43"
Remote ad-content manager	-	-	-	optional
Wi-Fi hotspot	-	-	-	optional
Foot traffic counter	-	-	-	optional
Waste inlet dimensions	320x420 mm	320x420 mm	320x420 mm	320x420 mm
Waste compaction ratio (depends on waste type)	3:1-8:1	3:1-8:1	3:1-8:1	3:1-8:1
Waste compaction force	860 N	860 N	860 N	860 N
Internal handy wheelie bin volume (DIN EN 840)	120L	120L	120L	120L
Strong vandal proof body made from	galvanized steel	galvanized steel	galvanized steel	galvanized steel
Power supply	solar 50W	solar 100W	solar 150W	AC 220V, 50 Hz
Battery	25 Ah	25 Ah	25 Ah	-
Power consumption	-	-	-	320W/h
Hybrid power supply	optional	optional	optional	-
Net weight	237 kg	330 kg	440 kg	261 kg
Height	1690 mm	1690 mm	1690 mm	1690 mm
Width	737 mm	1462 mm	2197 mm	737 mm
Depth	683 mm	683 mm	683 mm	683 mm
Depth with pedal	809 mm	809 mm	809 mm	809 mm
Standard warranty	3 years	3 years	3 years	3 years
Extended warranty	optional	optional	optional	optional
Certification	EAC, Rostest	EAC, Rostest	EAC, Rostest	EAC, Rostest