

ELECTRIC ROAD SWEEPER



Main Parameters

Size	Overall Length (no sweepers included)	mm	3550
	Overall Width	mm	1210
	Overall Height (no alarm included)	mm	2035
	Wheel Base	mm	1450
	Track Width	mm	985
	Minimum Turning Radius (external)	mm	2500
Mass	Maximum Total Mass	kg	2300
	Curb Mass	kg	1900
	Water Tank Volume	L	180
	Garbage Tank Volume	L	660
Performance	Cleaning Width	m	1.8
	Cleaning Velocity	km/h	0~10
	Maximum Speed	km/h	20

	Maximum Suction Particle Size	mm	≥100
	Cleaning Efficiency	%	≥92
	Allowable Passenger	人	1
	Maximum Working Time	h	≥6
	Maximum Gradeability	%	≥20
	Maximum Tipping Angle	°	≥46
	Steering Type		Articulated Steering
	Water Tank Volume	L	180
	Garbage Tank Volume	L	660
Power	Diesel/Electric		Electric
	Battery Type		Ternary Polymer Lithium Battery
	Accumulator (Voltage, Capacity)	V/AH	80V/405.6Ah (32)
	Driving Motor Power	kw	6.5
	Hydraulic Drive Motor Power	KW	7.5
	Driving Form		4×2 RWD
Electric	System Voltage	V	DC80
	Control Voltage	V	DC12

Base Specification

Introducing:

➤ FULONGMA FLMSD18 road sweeper is a suction-type sweeper powered by pure electric. It has the functions of road sweeping, high-pressure water cleaning, and sewage recycling. The whole machine has beautiful appearance, maneuverability, and strong cleaning ability. It is especially suitable for cleaning and sweeping applications in areas where large road sweepers cannot or are inconvenient to enter such as urban auxiliary roads, narrow roads, cycling paths, sidewalks, pedestrian streets, landscaping areas, parks, schools, scenic spots, and residential areas. It is especially suitable for supplementary cleaning applications in the urban major artery.

Highlight Performance:

➤ Car-level Experience: panoramic glass cab, air suspension seat, steering wheel hydraulic system, low-speed high-load radial tires. It also has intelligent systems such as one-button operation,

humanized multimedia system, and braking energy recovery.

- Rich Configuration: multi-dimensional automatic obstacle avoidance system, aluminum alloy body, handheld auxiliary suction system, high-pressure cleaning system, reversing camera. Internationally renowned snow shovel and snow brush are optional.
- Reliable Performance: The main components such as drive motors, controllers, high-pressure water pumps, hydraulic accessories are all internationally renowned brands with excellent performance and reliable work.
- Efficient Cleaning: Strong road cleaning function. Realize efficient cleaning operations under low energy consumption and low noise conditions. It can last up to 6 hours on a single charge, and its performance reaches the industry-leading level.

Performance Characteristics:

- The machine is small and versatile. The width of the whole machine is only 1210mm, suitable in entering narrow places. The minimum turning radius is only 2.5m, and it can easily turn around on roads less than 6m wide, even sweep a 360° circle around a tree.
- The configuration is highly reliable. Equipped with Italian SME drive motor and controller, German Grammer air suspension seat, Italian UDOR high-pressure water pump, and other high-end configurations to ensure reliable performance.
- Lightweight material selection. Structural parts such as garbage container, suction nozzles, and suction tubes are made of high-strength aluminum alloy materials. The clean water tank and covers are made of high-strength PE or FRP materials and crafted in integrally molded. Lightweight, high strength, beautiful shape.
- Wide operation vision. The panoramic cab has a viewing angle of 270°. At the same time, it is equipped with a reversing camera, which is convenient and safe when driving.
- The seat has excellent shock absorption. Equipped with German Grammer air suspension seat, the height and inflation of the seat can be adjusted at any time according to the height and weight of the driver, solving the problem of terrible driving comfort of small road sweepers.
- The high degree of self-control. Equipped with controller, color display screen, CAN bus control system, which can be operated by one button. Realize the intelligent detection and diagnosis function of the whole machine, and display the real-time dynamic parameters of operation, such as oil temperature, oil volume, water level, battery status, etc.
- Complete supporting functions. The cab is equipped with heating and cooling air-conditioning, mobile phone charging, and other functions. It can also be equipped with more powerful multimedia equipment, such as radio, MP3 player, etc.
- Full safety protection. Real-time detection and reminding of steering, handbrake, driver in-seat, garbage container lifting, charging gun insertion, etc.
- Quick-change mechanism. The operation mechanisms such as the cleaning device, suction cup assembly, snow sweeping brush, and snow shovel are all quick-change designs, which can be installed or switched within five minutes.
- Good driving performance. Equipped with automatic steering recognition rear-wheel differential device: improve steering comfort and safety, while reducing friction between tires and the ground, improving service life.
- Snow sweeping brush (optional): American SNO-WAY technology. It can turn left and right, ascend

Due to the continuous improvement of the products, the content of this document only corresponds to the products at the time of printing, for reference only.
