



iBOT

M20

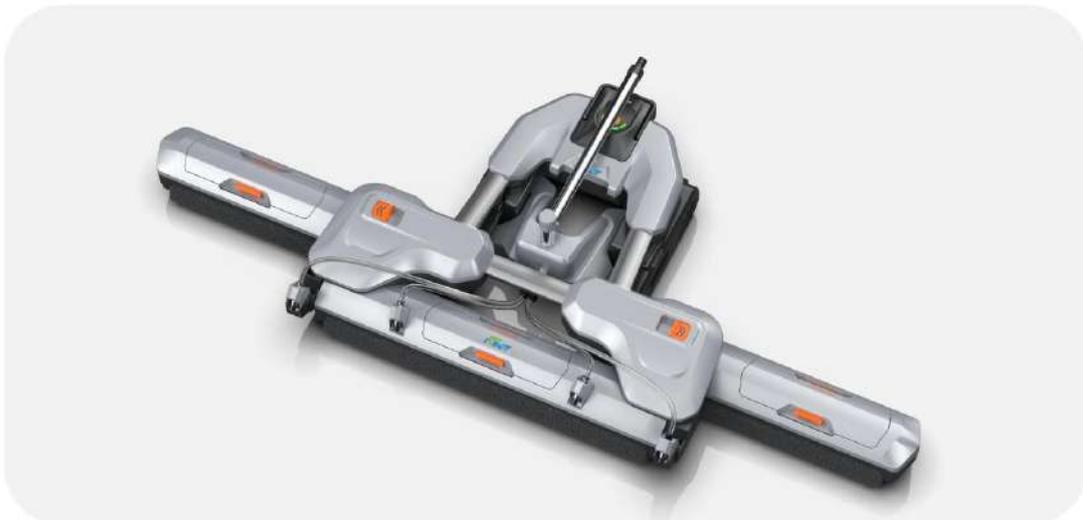
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IFBOT M20 PV Cleaning Robot

IFBOT M20 PV Cleaning Robot uses new materials and innovative structural design that allows it to weigh only 12.7kg, making it easy for a single person to carry.

M20 is able to work stably on photovoltaic panels from 0-15°. The mud collection box in the cleaning unit can scrape away stains from the bristles, reducing secondary pollution during the cleaning process.



*The actual appearance and parameters of the product may vary and we reserve the right to make final updates to the product.

Product Features

▶ Ultra-lightweight

IFBOT have achieved a significant leap in lightweight design through reengineering the core modules weight. The entire M20 weighs only 12.7kg.



▶ Foldable Extra-long Brush

The three-stage folding cleaning units can extend to a 1300mm-ultra-long brush. Each cleaning unit is equipped with two internal rolling brushes, so the cleanliness can be easily doubled.



▶ Self-cleaning Mud Box

IFBOT Dynamic Mud Separation Technology can quickly scrapes off dirt from the brush bristles and instantly recycles it into the mud collection box.



▶ 45° High-Pressure Flush

The dust on panels will be flushed by the high-pressure water from the angel of 45° firstly. And the fine filter can effectively intercept particles and impurities, reducing the damage caused by water to the panels.



Product Features

▶ Leave No Spot Behind

M20 can sense the solar panel frames and automatically adjust its posture to cross the gap without cleaning omission.



▶ Dual Anti-Pollution

The double-layer spray system push the sewage forward. Meanwhile, the rubber scrapers behind the brushes are scraping away the remaining water stains and preventing the sewage from flowing back.



▶ Triple-layer Fall Protection

M20 can monitor and identify edges in real-time. Once detecting the danger area, it will immediately stop, activate warning lights, and issue vocal alerts.



▶ Constant Speed Mode

M20 in constant speed mode can run autonomously and smoothly at a set speed, which helps the operator to reduce labor burden.



TECHNICAL PARAMETERS

Basic Parameters	
Dimensions (Expanded)	1440 x 650x 150 mm
Dimensions (Folded)	720 x 650 x 150 mm
Weight (inc. Battery & Brush)	12.7 kg
Brush Length	1300 mm

Battery Parameters	
Battery Capacity	16 Ah Li-Battery
Battery Weight	1.8 kg
Run Time	4 h
Charge Time	3.5 h

Operating Condition	
Climbing Capacity	0° - 15°
Max. obstacle width to cross	200 mm
Max. obstacle height to cross	30 mm
Protection Class	IP65 (Robot+RC+Battery)

Cleaning Ability	
Cleaning Capacity	1000 m ² /h
Water Supply	External Water Supply
Pollutant Type	Dust, bird droppings, greasy dirt (with cleaners)
Water Consumption	0-10 L/min

Working Mode	
Control Mode	Remote Control/APP
Remote Control Distance	100 m

Warranty	
Warranty Period	1 Year
Design Life	10 Years

▶ Standard Pack



M20 x1



Remote x1



Battery x2 (with charger)



Limpieza inteligente para uso comercial con avanzado sistema de lavado con agua con sistema de doble cepillo

Contáctanos

Central 350, Quilicura. Edf Administrativo
Ala Oeste. Santiago.
+56 9 2012 0155
ventas@sun-solutions.cl