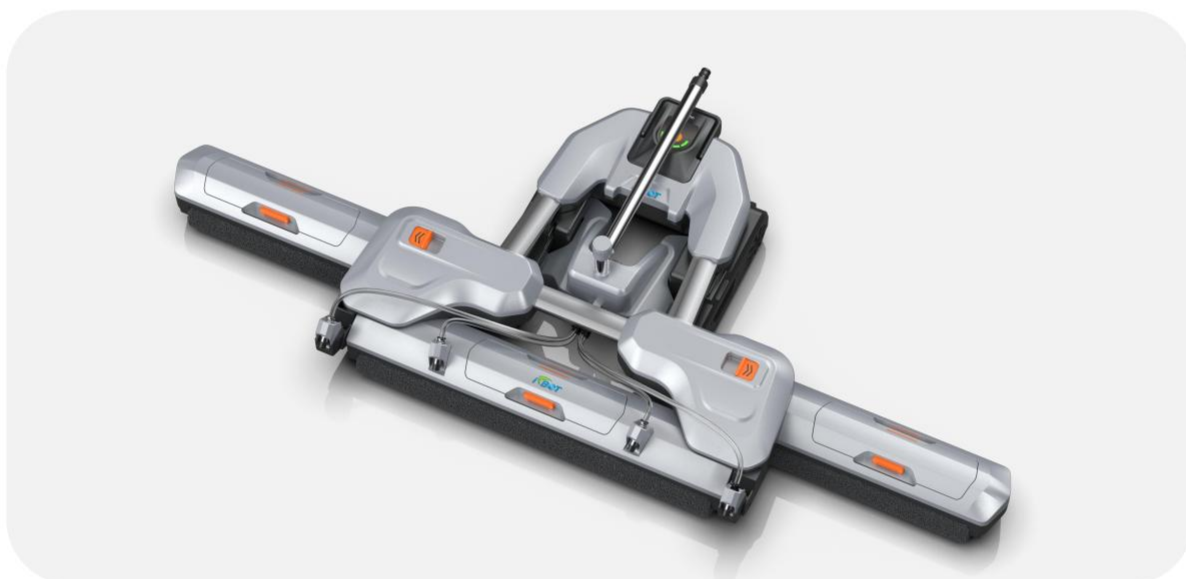


IFBOT M20 PV Cleaning Robot

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 pushes 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)