



Beijing Multifit Electrical Technology Co.,Ltd

Solar Panel Cleaning Brush

(Semi-Automatic)

MULR-D Rolling Brush

Product Characteristics:

- The Spinning Velocity of our Roller Brush is 400rpm. It has two cleaning models and even the dry cleaning model without the water has the prominent efficiency. It can effectively clean every corner of solar panels and it can be widely adapted to clean all sizes and models of solar panels.
- The angle of the brush head can be adjusted and perfectly attached on the surface of the solar panel.
- The material of Telescope Rod can be chosen according to the Customers choose.
- The Maximum length of Telescope Rod is 7.5 Meters and the Telescope Rod can be extended or shrink. The clap can be easily locked to prevent the length of Telescope Rod to be shrinked. The length of Telescope Rod can be easily adjusted.
- The lithium battery pack can last about 5-6 hours, and you won't be tired. it is more convenient to clean.
- The weight of the machine is reduced by 35%, and the lightest is only 5.7KG. The cleaning is easier, the labor intensity is reduced, and the day is not tired.



01

MULR-D Rolling Brush



Brush Head with Motor:

24V DC high-power drive motor
speed 400rpm

Telescopic Rod:

Telescopic material:

Glass Fiber/Carbon Fiber/Aluminum Alloy

Wall thickness: 1-1.2mm

Diameter: φ39, φ43, φ47 (Optional)

Length: 1.5-3.5m / 1.7-5.5m / 1.9-7.5m (Optional)



Water Pump (Option): Site bucket water collection

Solar array length less than 300M	Power supply 220VAC	12VDC, Suction lift 1.5m lift 50m, flow 5L/min Adapter (220VAC-12VDC)
Solar array length less than 300M	Without power supply	12VDC, suction lift 2m, lift 55m, Flow 8L/min, power display, Lithium battery (12V10AH)
Solar array length less than 800M	Power supply 220VAC	220V5.5kW, Suction lift 8m, Lift 100m, Flow 10m³/h

02

Power Supply:

MULR-D01

Mains Supply Accessories:



AC Supply (100V-240V)

1. Adapter
2. Power cable(8M)

MULR-D02

Battery Supply Accessories



Lithium Battery DC Supply

1. Lithium battery
2. Spring wire with switch button
3. Lithium battery charger (24V)

MULR-D03

Dual DC and AC Supply



1. Adapter
2. Power cable(8M)
3. Lithium battery
4. Lithium battery charger (24V)
5. Spring wire with switch button

Large-capacity and portable backpack Battery Supply Accessories





Technical Data


Name	Solar panel cleaning rolling brush	Model	MULR-D
Application	Apply to small rooftop PV arrays and irregular PV arrays		
Technical Specification	Rated Voltage	24V	
	Size	Φ130mm*650mm	
	Rotating Speed	400rpm	
	Function	Washing/dry cleaning	
	Telescopic Rod	Glass fiber,option length 3.5m,5.5m,7.5m	
	Accessory	1/2 inch PVC water pipe (15 Meters Length) 1/2 Inch Brass Valve ,1/2 Inch Internal Thread Connector,1/2 Inch PCF Quick Connector (φ10) ,1/2 PVC Water Pipe Plastic Joint , Spanner	
		Single head open stamping wrench (16mm、24mm)	
	AC (MULR-D01)	Cable extension line(8m), adapter(110-120VAC/220-240VAC optional)	
DC (MULR-D02)	Spring wire, lithium battery(24V10AH) with charger,backpack, adapter		
Dual (MULR-D03)	Cable extension line(8m), adapter(110-120VAC/220-240VAC option),Spring wire, lithium battery(24V10AH) with charger,backpack		





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