

DOUBLE HEAD SOLAR PANEL CLEANING BRUSH

User Manual



Please read the manual carefully and keep it properly before using this product

Product introduction

This product is aimed at photovoltaic cleaning handheld cleaning equipment. The brush head is driven by double motors to rotate, and water supply and spray cleaning are carried out at the same time, so as to achieve high-efficiency cleaning effect; It is a special photovoltaic cleaning equipment designed, developed and manufactured according to the special environment of photovoltaic power stations. It is suitable for large-scale cleaning equipment, barren mountain photovoltaic power stations that cannot be accessed by intelligent equipment, distributed photovoltaic power stations and roof industrial and commercial photovoltaic power stations.

Specification

The photovoltaic panel cleaning machine is equipped with three lengths of telescopic rods, 3.5m (1.5-3.5m), 5.5m (1.7-5.5m) and 7.5m (2.1-7.5m). The locking buckle structure is adopted, and the length of the telescopic rod can be adjusted.

Power supply mode

Three configurations can be selected for power supply mode,

1. AC100V-240V is connected to the machine through the power adapter,
2. Lithium battery pack power supply connection machine
3. AC100V-240V and lithium battery pack power supply.

Three configurations can be selected.

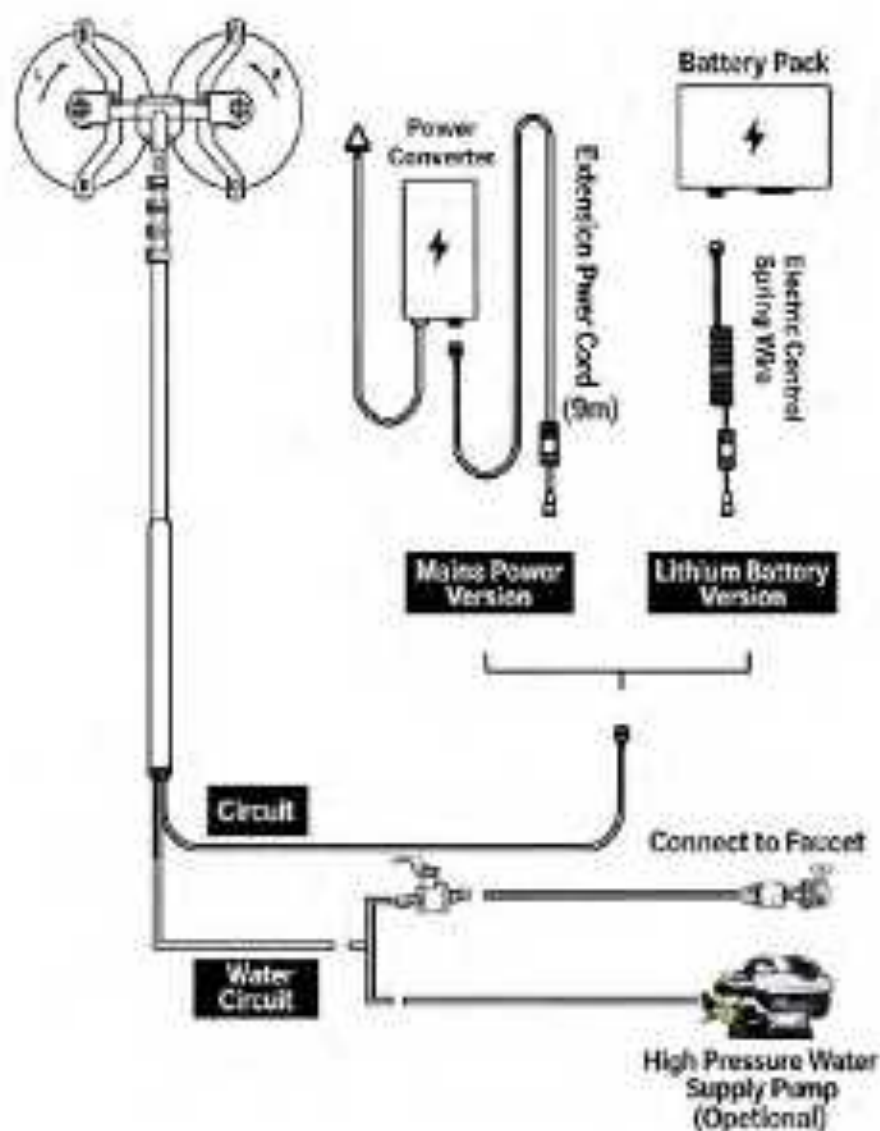
This product has obtained a number of patents certified by the national patent office.

Patent number: ZL2020201462348, ZL2020300465923

ZL202030046663, ZL2020201462102

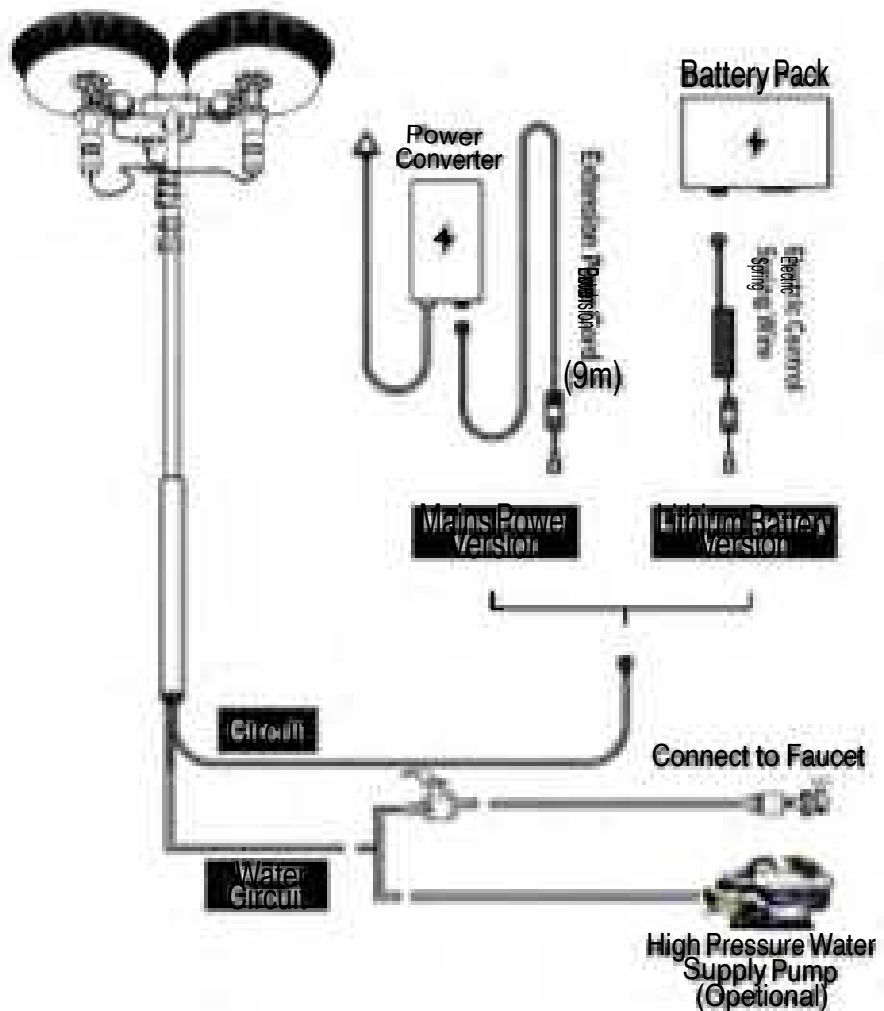
**BRUSHLESS MOTOR
ASSEMBLY DIAGRAM**

Brushless Motor Version Assembly Drawing



BRUSHED MOTOR ASSEMBLY DIAGRAM

Brushed Motor Version Assembly Drawing



Usage process

1. Connect the power supply device (lithium battery / power converter)
2. Connect the water supply system (water pump system / water supply pipe)
3. Adjust the required water volume through the valve (the larger the cleaner)
4. Adjust the length of the telescopic rod
5. Hand held telescopic rod for remote cleaning

Troubleshooting

1. If the motor does not work, check whether the power converter is plugged in properly, and the power converter is turned on when the light is on.
2. If the motor does not work, check whether the plug is inserted properly and whether the switch is turned on.

Special instructions

1. When removing the water pipe, press the ring with both fingers and pull out the water pipe at the same time.
2. The length of pumping pipe, battery life and the total length of telescopic rod are all or customized. Please contact customer service.
3. We provide a variety of pump water supply schemes, which can be selected by contacting customer service.

Warning tips

1. Control device is not total waterproof, please not put in water and keep away with the water source.
2. Avoid long time working under high temperature.
3. Keep environment dry when long-time storage.
4. Power supply switch does not have waterproof function, please avoid water.
5. Please do not use poor quality patch panel adapter to the risk of fire.
6. After the machine has been used for a period of time, the motor reducer is disassembled, and then the gear lubricating oil is added for regular maintenance.
7. Children, the elderly or the disabled should use this product under supervision and guidance.
8. When ambient temperature is under 0℃, please remove all water inside the pipe after using to avoid broken.

Warranty Instructions

1.This product has 1-year warranty period. It can be repaired free of charge due to quality problems within one year. The parts that need to be repaired need to be sent back.

2. Fault problem

Product Name	Performance failure
double head solar brush	The motor cannot rotate

3. Non warranty regulations

1. Unauthorized maintenance, misoperation, collision, abuse, negligence, liquid entry, accident, modification, incorrect use of non product accessories or tearing of labels.
2. The specified warranty period has expired.
3. It does not conform to the performance fault listed in the performance fault table.
4. Faults of this product and accessories caused by human factors.
5. Damage caused by force majeure

