



**Origin Power Brush
Battery Powered**



Owners Operating Guide

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Made in Australia

Congratulations on the purchase of your new Origin PB38 Battery Power Brush. Before you start using it, we recommend that you carefully read the instructions below thoroughly and that you keep this manual for future reference.

Although this Power Brush can be attached to any dry vacuum cleaner fitted with a standard 32 mm hose & wand assembly, it must be operated in accordance with these instructions and used for its intended purpose as described in these instructions.

This appliance should not be operated by young children or infirm persons, without proper supervision. Young children should be supervised to ensure that they do not play with this appliance. When using this Power Brush, basic safety precautions should always be observed, including the following:

Make sure that this manual is read and understood by the operator. Only trained operators should operate this machine once they are familiar with the adjustments and correct method. When using this machine, basic safety precautions should always be observed, including the following:

READ ALL INSTRUCTIONS BEFORE USING THIS MACHINE.

SAFE AND PROPER USE OF THIS MACHINE

1. Use this Power Brush only to vacuum dry dirt from carpets or hard flooring. Do not use it for wet pick up.
2. Use this Power Brush only as described in this manual.
3. Keep the Power Brush away from heated surfaces.
4. Do not use the Power Brush to pick up strings, rubber bands, wires or building materials such as wood shavings, plaster or brick pieces, broken glass, gravels, etc, as it will jam and damage the roller brush mechanism or block the air intake.
5. Always store this Power brush indoors and do not use it if it has been exposed to rain or water. If so, return the unit to an authorized dealer for examination.
6. Always switch Off the charger at the wall before removing the charger connector from the Power Brush.
7. Always switch Off the Power Brush before disassembling it from the wand.
8. Always keep the Power Brush in motion when vacuuming to prevent unnecessary wear of the roller brush. Do not stand still.
9. Always use your fingers to depress the On/Off switch. Do not use your foot to switch it On & Off.
10. Do not plug the charger into the wall outlet before connecting the charger connector to the charging socket on the Power Brush.
11. **Do not charge the battery in an enclosed area where there is vapors given off from oil based paints, paint thinners, flammable dust, powdered milk, or other explosive or toxic vapors.**
12. Do not unplug the charger by pulling on the cable. To unplug, grasp the plug.
13. Do not use the Power Brush if it shows any sign of visible damage.
14. Do not pick up hot objects, cigarette butts, matches or any smoking or burning objects.
15. Do not pick up water or other liquids, flammable or combustible materials or use this Power Brush in the presence of explosive liquids or vapors. This is not an explosion proof device.
16. Do not clean the Power Brush with water or liquid cleaners.
17. Do not run over the vacuum cleaner cable with the Power Brush as it could get damaged.
18. Do not attempt to touch the brush roller with your fingers while the power Brush is switch On as it may cause sever injuries.
19. Do not attempt to remove or disconnect the battery as this can cause harm and destroy the battery. All warranty will be void if this occurs. Any electrical work should only be carried out by an authorized dealer.

First Aid

The chemicals used in Origin batteries are housed within sealed containers. Risk of exposure to chemicals from the battery can only occur with tampering, abuse or damaged. Avoid contact of lithium or electrolyte with skin and eyes. A damaged or leaking battery can cause chemical skin burns if contact is made. If exposure to any of the battery chemicals occurs, seek medical attention but follow initial procedures listed:

- Eyes :

Flush eyes with cool water for at least 15 minutes. Make sure eyelids are lifted to expose the eye.

- Skin :

Rinse effected area with cool water for 15 minutes. Remove any clothing that is contaminated.

- Inhaled :

Get into a fresh air environment immediately.

- Swallowed :

Drink at least two glasses of milk or water immediately. If the patient is not unconscious try to induce vomiting.

Remember :

The above situations can only occur if the battery is damaged or tampered with. Exposure to the battery internal chemicals can be very irritating. Over exposure can cause lung and mucous membrane irritation.

Delivery and Assembly

Packaging

This machine is packed in one carton and contains the Power Brush, Charger with power cable and the instruction manual.

The Plug that is fitted to the charger socket is for packing purposes only and must be removed to operate the Power Brush.

Charge Battery Before Use.

The Power Brush Battery

The Power Brush battery is built using the latest Lithium (Li-ion) technologies. When properly treated, Li-ion batteries can last for many years and have 500 charge & discharge cycles or more. The battery is actually composed of individual encapsulated Li-ion cells and includes a BMS, or "Battery Management System.

The "BMS" typically performs two functions:

1. Monitoring to protect against over-discharging of each cell.
2. Balancing the cell voltages during charging with all lithium-ion batteries, balancing is required for proper battery function; otherwise, some cells will end up "full" with others only "partly full".

The battery needs to be **charged in a location without any flammable material** immediately nearby. If something were to go wrong during charging, parts may get very hot. Avoid leaving the battery unattended. If there are any signs of problems, please promptly unplug from the wall outlet and contact your approved distributor or repairer for further instructions.

If you need to **store the battery for long periods**, start by fully charging the battery, and then make sure to charge it at least once a month to keep it topped up. These batteries will discharge themselves a bit during storage, since the BMS draws a small amount of power to maintain cell balance. if you don't occasionally charge them, one or more cells may fall below the cell critical threshold, permanently damaging the battery and voiding the warranty.

Battery Charger

- The supplied battery charger is to be used indoors and in a dry location.
 - This charger is not to be repaired and not to be used if it is damaged or defective.
 - Do not dispose of this charger in to household rubbish. Return it to the manufacturer or dealer from where it was purchased. Alternatively recycle in accordance with locally approved and environmental regulations.
 - This charger is intended to be correctly positioned horizontally on a flat surface.
 - Do not operate charger in an explosive environment.
 - Do not handle the charger or cables with wet hands.
 - Do not unplug the charger by pulling the cable. To unplug grasp the plug not the cable.
 - Do not cover the charger as it could cause over heating.
 - Do not charge damaged equipment.
 - Do not charge below 0°C.
- The charger and battery connectors need to be kept clean and protected. Please inspect the charger wires and connections before and after every use for any signs of damage or wear. If there are damages to any of the wires, please stop using it and contact an approved repairer

Charging the Battery

The battery charger included with your Power Brush is fully automatic. It will detect when all cells are balanced and charged, then will stop the charging process.

Charge your new battery completely before using it. Your battery will require 3 to 5 charging/discharging cycles before reaching its maximum capacity.

1. Turn Off the Power Brush (Green LED is goes Off).
2. Properly connect the charger plug to the charger socket located at the back of the Power Brush. Make sure the plug is completely inserted into the socket.
3. **Once the charger is connected to the Power Brush sockets, plug the main power cord to an AC outlet.** The LED glows red as the charger begins to charge the battery.
4. The charger LED light turns green when the battery is fully charged.
5. When charging is complete, pull out the AC power cord from the wall outlet FIRST, then remove the plug from the Power Brush.

Full charge of a flat battery will be achieved in less than 2 hours.

Know Your Power Brush

1. ON / OFF switch (to turn the Power Brush on & Off) (see figure 1)
ST.BY LED / Green (Glows when Power Brush is switched On)
LOW LED / Red (Glows when battery is approximately 50% discharged)
2. CHARGER INLET 12VDC (Charging socket, use supplied charger only) (see figure 2)

PLEASE NOTE: A built-in safety feature will prevent your Power Brush to start when connected to the charger.



Picture 1



Picture 2

Operation

Once unpacked & fully charged (see chapter "Charging the battery"), your Power brush is ready to use with any vacuum cleaner fitted with a 32 mm diameter wand (tubes)

1. Connect your Power brush to the wand tube. (see figure 3)
2. Using one finger, press the "On/Off" push button located at the back of the Power Brush (Do not use your feet to press the button). (see figure 4)
3. The Power Brush is now running (the Green "ST.BY" LED is glowing).
4. To turn Off push the button.

Please note :

The Red "LOW" LED will start glowing once the battery is approximately 50% discharged and will keep glowing until fully discharged.



Picture 3



Picture 4

Maintenance

1. Cleaning the roller brush :

The Power Brush roller must be free of debris for efficient cleaning and maximum suction. When cleaning is required, switch Off the Power brush and turn it over to inspect the bottom. If debris is wound around the roller brush, remove debris carefully by cutting them with a pair of small nail scissors and pulling them with tweezers. MAKE SURE Power Brush is OFF. Avoid damaging or cutting the bristles.

2. Replacing the drive Belt :

Depending on how much you use your Power Brush, its drive belt will occasionally need to be replaced. When a new belt is required, switch Off the Power Brush (Green light goes Off) and turn it upside down.

- First remove the 2 screws located at the back of the plate on both sides of the connecting elbow. Then, using a 5 or 6 mm flat screw driver, pry open the plate, starting from one side of the connecting elbow, around the Power Brush to the other side of the elbow.
- Remove the plate from the main body.
- Lift up the brush roller and bearing end cap assembly and disengage the old belt from the roller and motor pulley.
- Remove any debris wound around the roller and bearing end cap assembly by cutting them with a pair of small nail scissors and pulling them with tweezers. Avoid damaging or cutting the bristles.
- Fit the new belt over the motor shaft and roller pulleys.
- Gently pull the assembly toward the front of the Power Brush in order to locate both roller bearing end caps into their respective cavities.
- Check if the roller and motor shaft are moving freely by turning the roller by hand.
- Fit the bottom plate back on by carefully pushing it downward until the front lip click back to its original location.
- Locate and tighten the 2 screws at the back of the plate.

During this operation, do not attempt to move or remove the battery assembly.

Trouble Shooting

If you come across a problem, please use the checklist below before contacting your Origin dealer.

a) The Power Brush does not turn On.

- Check that the on/off switch is in the "ON" position and the green LED is glowing.
- Check the charging status of the battery. If the red LED is glowing, your battery might require charging.

b) The Power Brush has stopped during operation and the red LED is not glowing.

- Check for roller brush jamming. Remove any debris wound around the roller and bearing holders by cutting them with a pair of small nail scissors and pulling them with tweezers. Avoid damaging or cutting the bristles. **Wait a few minutes for the Battery Management System to reset itself.**

c) The Power Brush has stopped during operation and the red LED is glowing.

- Check the charging status of the battery. If the red LED is glowing, your battery might need to be charged.

d) The suction performance is decreasing.

- Check the Power Brush roller housing and the connecting elbow for a blockage and clear it if require. If necessary, open the bottom plate to check the suction channel between the plate and the motor cover for blockage (opening the plate is the same procedure as for replacing the belt). **MAKE SURE Power is OFF.**
- Check the wand tube, handle, vacuum cleaner filters and bag for upstream blockages.

e) The Power Brush vibrates and makes a high pitch noise.

- Check the roller brush for strings, rubber bands or large amount of fibres jammed around the roller and bearing end cap assembly. Remove all debris wound around the roller, bearings and end caps by cutting them with a pair of small nail scissors and pulling them with tweezers. If necessary, open the bottom plate to check the suction channel for blockage between the plate and the motor cover (opening the plate is the same procedure as for replacing the belt). **MAKE SURE Power is OFF.** Avoid damaging or cutting the bristles.
- Check the belt for excessive wear and replace it if require, according to the above procedure.

f) The motor is spinning but the roller brush does not turn.

- Check for a broken or worn out belt and replace it according to the above procedure.

For any further issues, please contact your authorized Origin dealer.

Do not attempt to access to the motor compartment or the battery system as this can cause harm and destroy the battery cells. All warranty will be void if this occurs. Any electrical work should only be carried out by an Origin authorized dealer.

WARRANTY

Origin Cleaning Equipment Pty Ltd (Origin) warrants to the original purchaser that this product is free from defects in workmanship and materials under normal use and service for a period of 12 months from date of purchase, provided such claims are submitted through and approved by Origin authorized dealers. Origin will under warranty repair or replace without charge, except for transportation costs, parts that fail under normal use and service when operated and maintained in accordance with the applicable operation and instruction manuals.

This warranty does not apply to normal wear, or to items whose life is dependent on their use and care, such as brush roller, belt and elbow. **The battery has a pro rata warranty.**

All warranted items become the sole property of Origin Cleaning Equipment Pty Ltd.

This limited warranty is in lieu of all other warranties, expressed or implied, and releases Origin from all other obligations and liabilities. Origin is not responsible for costs for repairs performed by persons other than those specifically authorized by Origin. This warranty does not apply to damage from transportation, alterations by unauthorized persons, misuse or abuse of the equipment, or damage to property, or loss of income due to malfunction of the product.

If a difficulty develops with this product, you should contact the dealer from whom it was purchased.

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