

SOLARA

Cordless Vacuum Cleaner

Rechargeable lithium ion battery
8-cell battery 2500 mAh 72 Wh
400W BLDC motor
28.8V
Multi-cyclone technology
Three-stage speed adjustment
1.4 L dust bin capacity
0.7 L dust collection capacity
Speed setting indicator light
Battery indicator light
Illuminated motorized carpet brush
Motorized hard floor brush with light
Flexible extension hose
Motorized seat brush
2 in 1 seat brush
Narrow nozzle
Hepa 10 filter
Aluminium pipe
Transparent dust container
Metal protection filter
Easy to use and practical cleaning (Push-Empty)
Ergonomic handle
Parking station with charging function



Cleaning with Solara cordless vacuum cleaner is a game-changer for anyone who wants to save time and effort in their cleaning routine. Without the hassle of cords, you can easily move from room to room and clean hard-to-reach spaces with ease. The lightweight and portable design makes it comfortable to use, and the powerful suction can handle any mess. With the ability to detach the vacuum from the stick, you can quickly switch between cleaning floors, upholstery, and other surfaces. Plus, with the convenience of a rechargeable battery, you can enjoy uninterrupted cleaning sessions without worrying about plugging and unplugging the vacuum. Cleaning with Solara is a stress-free and efficient way to keep your home spotless.



Lithium-ion Battery

Advancements in battery and digital motor technology have made it possible for cordless vacuums to provide powerful suction and longer battery life, making them a more practical choice for everyday cleaning needs. That's why Solara was born to fulfill the need of a powerful and practical device with low cost but with a high end look.



The lithium-ion battery charges faster than traditional battery technology. They are long-lasting and have a high power capacity to make them last longer. 28.8 V battery offers 45 min of continuous cleaning time. The vacuum cleaner, produced with a three-stage speed system, can last up to 45 minutes max., provides a deep cleaning opportunity with time of use.

Cyclone Max

Technology

The 1,4 dustbin which has a 0,7lt dust capacity contains 9 step highly effective cyclonic filtration and can capture even the smallest particles, making it ideal for those with allergies. We have made several test and researches in cordless cyclonic vacuums which is aimed at improving the cleaning experience for consumers by developing more powerful, efficient, and user-friendly devices. We focused on improving the efficiency and performance as well as developing new technologies to enhance the functionality such as to extend battery life, improve filtration efficiency, dust pick up performance, ergonomics and usability. We had run hundreds of tests with hundreds of 3d prototypes before we reach the final performance and look.



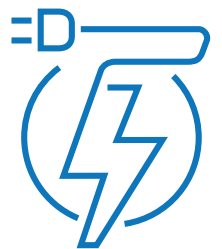
A vacuum cleaner with cyclone filtering function is a powerful and efficient cleaning tool that can help you tackle even the toughest messes. The cyclone filtering function uses a powerful centrifugal force to separate dust and debris from the air, trapping it in the vacuum's collection bin. This type of filtering system is highly effective and can capture even the smallest particles, making it ideal for those with allergies or respiratory sensitivities.

One of the key benefits of a cyclone filtering function is its ability to maintain powerful suction even as the dustbin fills up. This means you can continue cleaning without having to stop and empty the bin. Additionally, because the cyclone filtering system doesn't rely on traditional filters, you won't have to worry about replacing them as often, saving you time and money in the long run.

Its powerful suction and advanced filtering system make it ideal for tackling even the toughest messes, while its low maintenance requirements make it a convenient and cost-effective choice.

2ⁱⁿ1 Parking Station with charging function

A vacuum cleaner parking station with charging function is a great addition to any household that values organization and efficiency. This type of station offers a dedicated storage space for your cordless vacuum cleaner, keeping it easily accessible and out of the way when not in use. In addition to storage, the station also features a charging function that keeps your vacuum cleaner charged and ready for use whenever you need it. By simply placing the vacuum cleaner in the charging station after use, you can be sure that it will be fully charged and ready for your next cleaning session. This not only saves you time, but it also ensures that your vacuum cleaner is always available and fully functional when you need it. A vacuum cleaner parking station with charging function is an excellent investment that can help you streamline your cleaning routine and keep your home looking its best.



floor use

Design and Make-up

One creative challenge of this cordless vacuum cleaner is to create a model that not only cleans effectively, but also adds an element of fun and excitement to the cleaning process, with a sleek and stylish look that appeals to consumers who value aesthetics as well as functionality. To achieve that we used hot foil process instead of sheet metal to increase cost-effectiveness, and environmental sustainability. Hot foiling can be a more cost-effective production method as it requires less material waste and can be done at higher speeds. This can lead to lower production costs and potentially lower retail prices for consumers. It is also environmentally friendly manufacturing process compared to sheet metal production, as it can produce less scrap material and require less energy consumption. But to be able to create surfaces suitable for hot foil process was the most challenging part because of the process limitations.





We have made several test and researches in cordless cyclonic vacuums which is aimed at improving the cleaning experience for consumers by developing more powerful, efficient, and user-friendly devices. We focused on improving the efficiency and performance as well as developing new technologies to enhance the functionality such as to extend battery life, improve filtration efficiency dust pick up performance, ergonomics and usability. We had run hundreds of tests with hundreds of 3d prototypes before we reach the final performance and look.

