CARBON CROSSOVER POWER WHEELCHAIR

MOB1123

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CARBON CROSSOVER POWER WHEELCHAIR

INTRODUCTION

Experience the perfect blend of lightweight design and robust performance with the Carbon Crossover Power Wheelchair. Crafted with advanced carbon fiber technology, this power wheelchair is both ultra-lightweight and incredibly strong, making it an ideal companion for those who value mobility and convenience.

Lightweight Frame: Weighing significantly less than traditional power wheelchairs, the Carbon Crossover is easy to transport and maneuver.

High Durability: The carbon fiber construction ensures exceptional strength and longevity, capable of supporting up to 265 pounds.

Portability: Designed for travel, it easily folds for compact storage and fits seamlessly into car trunks or airplane cabins.

Smooth Ride: Equipped with front suspension and flat-free tires, it provides a comfortable ride on various terrains.

Long Battery Life: A reliable lithium-ion battery offers extended usage time, perfect for all-day adventures.

Whether you're exploring new places or navigating daily activities, the Carbon Crossover Power Wheelchair empowers you to move freely and confidently.

SAFETY PRECAUTIONS

- Do not operate your electric wheelchairs until you have read and fully understand this manual.
- Do not operate your electric wheelchair until the assembly and inspection are completed.
- It is suggested that people with mental disorders slow reaction and difficult operation.
- should not use this electric wheelchair.
- Do not get on or off the electric wheelchair when the power supply is on or the electric wheelchair is in manual state and there is no caregiver to fix the wheelchair.
- Do not drive your electric wheelchair in violation of national and local traffic regulations.
  - Do not turn sharply when driving at high speed.
  - Do not park the electric wheelchair on a slope.
  - Do not turn or turn on a slope.
  - Do not use electric wheelchairs on gravel or soft ground.
  - Avoid driving on a slope with a slope greater than 8 degrees or climbing over obstacles greater than 4cm.
- Do not disassemble or restructure the parts of the electric wheelchair without authorization or replace them with parts not manufactured by the company.

EMC WARNING STATEMENT

- The electric wheelchairs produced by the company meet the requirements of electromagnetic compatibility of YY0505 and GB/T 18029.21 standards.
- The user shall install and use according to the EMC information provided in the attached documents.
- Portable and mobile RF communication equipment may affect the performance of electric wheelchair. Avoid strong electromagnetic interference when using, such as close to mobile phones, microwave ovens, etc.
- Please refer to the attachment for the guidance and manufacturer's statement.

WARNING ⚠

- Unless the cables are provided by the equipment or system manufacturer as internal components, using accessories or cables that are not specified may lead to increased emissions from the equipment.
- The equipment or system should not be placed near or on top of other equipment. If it must be used in close proximity or on top of other equipment, its performance should be carefully observed and verified to ensure proper operation in that configuration.


Warning signs should not be opened by non-professionals

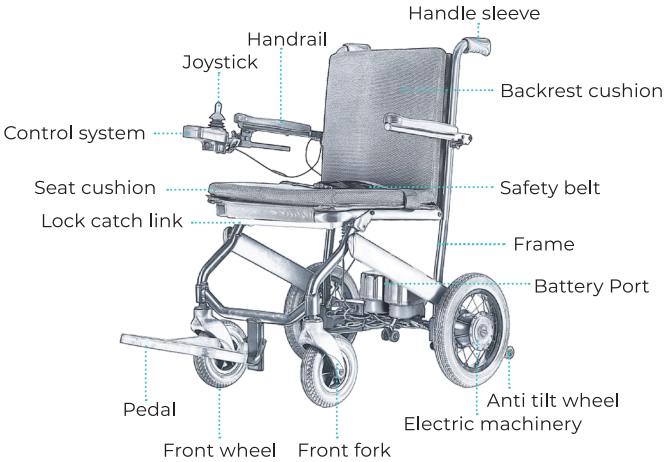

There is high voltage


BF type applies partial tags

IPX3 Level of penetration resistance


The environmental protection

THE OVERALL GRAPHIC



PERFORMANCE CONFIGURATION

Product type: outdoor type	Motor power: 150W*2
Maximum speed: ≤6km/h	Dynamic stability: ≥6 °
Power supply: 24V*5.2AH*2	Weight Capacity: 265lbs
Minimum radius of rotation: ≤1.2m	In the slope performance: 9°
Climbing obstacle height: ≥40mm	Climbing ability: ≥6 °
Horizontal road braking sliding distance: ≤1.5m	
Use ambient temperature: - 25°- + 50°	Noise: < 65DB

STRUCTURE PARAMETERS

Outer box size (mm): 580x360x920
Weight (kg): 15.8
Front wheel diameter (inch): 7
Seat width (mm): 440
Rear wheel diameter (inch): 12

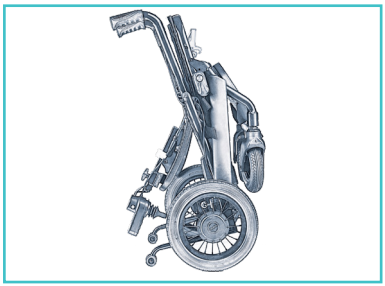
ELECTRICAL PARAMETERS

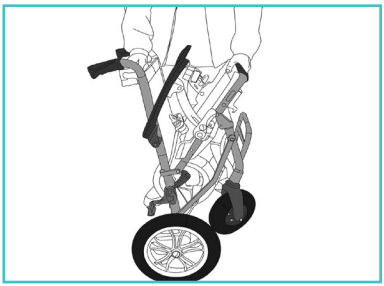
Motor rated power (W): 300WX2
Battery voltage (V): 24
Charger input (V): 220
Maximum output current of the controller (A): 45
Motor approved voltage (V): 24
Capacity (AH): 5.2AH*2
Charging current (A): 3

The above parameters will vary depending on the passenger's weight, road conditions and battery use.

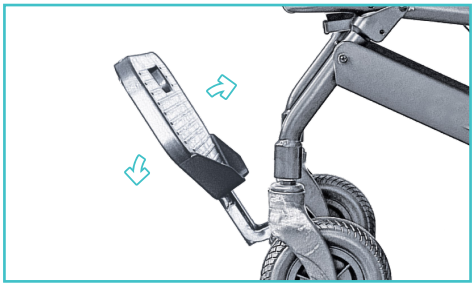
EXPAND THE WHEELCHAIR

1. Take the electric wheelchair out of the packing box, hold the handle with one hand, and press the front seat frame with the other hand downward until the seat and the back of the chair are 90°, until the lock lock is in place, so that the seat and the frame are integrated.

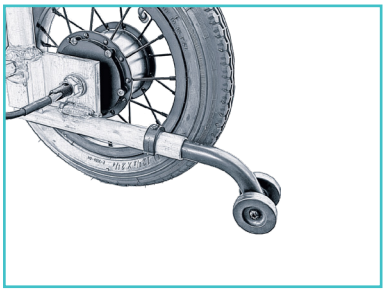




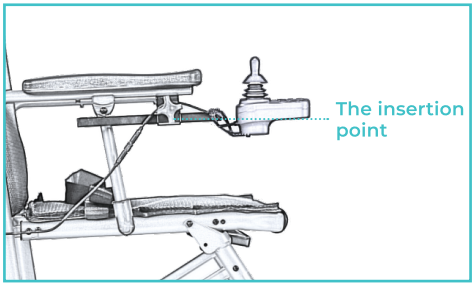
2. After unfolding the chair you can flip down the foot pedal. Always make sure the foot pedal is flipped back up before trying to leave the chair.



3. Installation and disassembly of anti tip wheels. Installation: Align the anti tip wheel with the pipe hole and insert it into the hole, then use the C-Clip to insert it into the lock hole and fasten it.



4. Insert the controller lever into the holder, adjust it to the right position, tighten the retaining nut, and insert the Power line off of the joystick into the line coming from the power box.

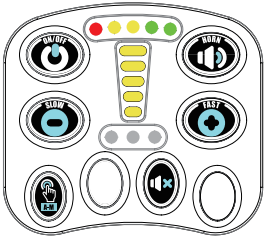


DIRECTIONS FOR USE

1. First fold the pedal, sit in the electric wheelchair, and then put down the pedal. Note: do not step on the pedal to get up and down the electric wheelchair, which may cause the electric wheelchair to overturn.
2. Please fasten your seat belt after you get into the electric wheelchair. Turn on the power switch button of the controller, and the indicator light will light up (as shown in the figure). At this time, the control lever should be in the middle position. Push the control lever and the electric wheelchair will start driving.

3. The joystick can simultaneously control direction and speed, slowly pushing the joystick towards the desired direction of travel, and the electric wheelchair will then start driving.
4. To stop the electric wheelchair while it is in motion, simple release your hand from the joystick. Some people will be incline to hit back on the joystick for a quick stop/reverse. Do not do this as it can confuse the controller and it will not stop as quickly.
5. If parking on a slope, simply release your hand and return the control lever to stop driving, achieving a smooth parking.
6. The speed adjustment button of the controller can adjust the speed of the electric wheelchair, and users should choose the maximum speed of the electric wheelchair based on their own physical and road conditions. Speed display: When starting, the default gear is one gear. If you need high power or speed, please adjust the speed by pressing the “+” button. The maximum of five speed display lights can be on. If you need low power or low speed, please adjust the speed to “-”.

7. Instructions for using the button functions of the controller:



Standard Edition

Power Display

Speed display

Power Button

Horn

Speed Adjustment +

Speed Adjustment -

A/M: Auto to Manual Push

Silent

NOTE:
To use the A/M Button to unlock the brakes to the chair can be used freely as a transport chair. To engage press the A/M button while the joystick is in the “Off” position.

NOTE:
On flat roads:
When a user turns off the joysticks power, the brakes will stay engaged for 3 minutes before changing into free-wheel mode, to ensure the user gets off the wheelchair safely.

On slopes: (any level of slope)
When the user turns off the joysticks power, the brakes will stay engaged for 20 minutes before changing into free-wheel mode.

8. Electric wheelchairs are suitable for driving on flat roads. Driving on muddy, potholed, and uneven roads can cause damage to the rotating mechanism and control system of electric wheelchairs.

9. Before getting out of the chair,, turn off the power to the controller first, then flip the foot pedal up before getting out of the chair.

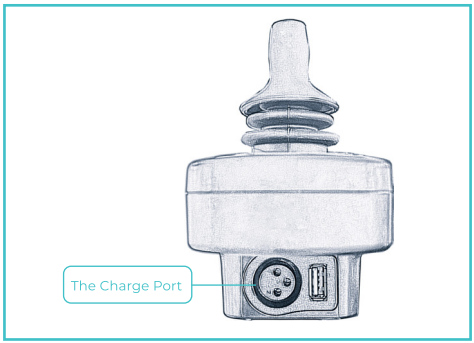
CHARGING INSTRUCTIONS

1. Turn on the power switch of the controller, the power indicator light in the front row will be on, and the full power will be 5 grid lights (1 red, 2 yellow and 2 green). If the power is more or less, their color will not change, but the number of lights will be changed. When in use, the lights will be turned off one by one. If the red light starts to flash then the battery is dead and the scooter must be charged to use again.

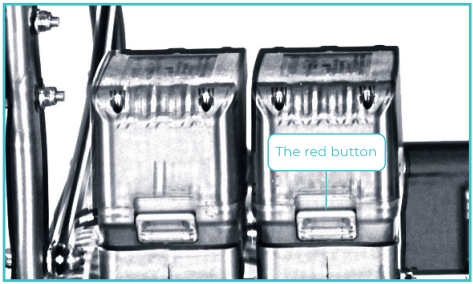
When there is only a red light left on the battery indicator light, there is a serious power loss. It is prohibited to use and should be charged in a timely manner.

2. To charge the scooter make sure the joystick is powered off. Then plug your charger into the wall and then into the port on the Joystick. The light on the charger will turn BLUE when charging and GREEN when fully charged.

NOTE:
The battery on your charge should be handled similar to a car battery in the sense that it needs to be run at least twice a month to maintain it's health. It also should be treated similar to a phone battery in the sense that if you overcharge it (leave it on the charger longer than needed) then your batteries ability to hold a charge will decrease meaning your battery will die quicker. It is recommended that your battery is only charged for around 6-8 hours at a time.



3. Remove the battery, press the red button upwards, and pull the battery outwards to remove it. When installing the battery, align it with the guide slot of the battery holder, then push it forward and hear a click to complete the installation.

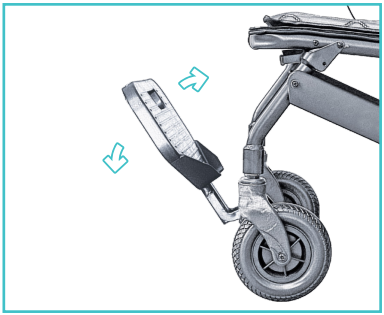


NOTE:
Vive also carries 10Ah batteries in stock for double the travel distance.

FOLDING TRANSPORTATION

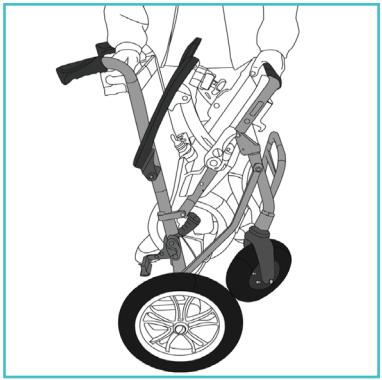
1. Stop the electric wheelchair.

2. Folding the foot pedal.

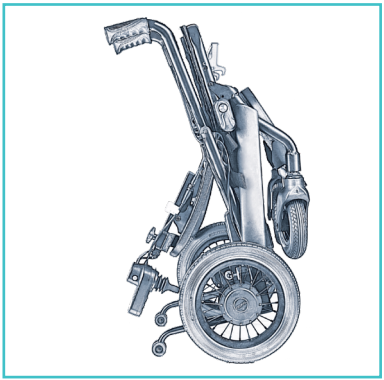


3. Pull the locking link under the front of the seat upwards.

4. Grasp the rear handle of the electric wheelchair and pull the front end of the seat back.



5. Folding complete.



The electric wheelchair shall be stored or transported in the environment of - 25^{0}C - 50^{0}C(the battery should be stored in the environment of 5^{0}C - 40^{0}C for a long time); The storage and transportation environment of wheelchair shall avoid damp, corrosive substances and violent mechanical impact.

MAINTENANCE

1. Maintenance
   Note: Unplug the battery and cut off the power supply before maintenance work If necessary, adjust and replace worn parts, please find a professional maintenance.

Check cycle	Daily	Weekly	Monthly	every 3 months	every 6 months
Battery	✓				
Power Connection		✓			
Hand Brakes			✓		
Battery Terminals				✓	
Cables				✓	
Frame Outer Surface				✓	
Lubrication Components				✓	
Cleaning Cushion					✓
Bearings					✓
Tyres					✓
Electromagnetic Brakes					✓

2. Chair cover and backrest: Please remove it and clean the chair cover and leather backrest with warm water and diluted soapy water, and avoid putting the electric wheelchair in a wet place.

3. General maintenance: do not use lubricant to maintain the wheelchair. Check the screws and screws regularly to see if they are firm and reliable.
4. Do not flush any parts of the wheelchair with water.

MAINTENANCE CONTENT AND INSTRUCTIONS

1. Battery: mainly check the remaining battery power. If the battery life is over and the battery needs to be replaced, you can contact the supplier or buy batteries with the same specifications locally.
2. Tire pressure: it is recommended that 12*1.75 and 8*2 tires be inflated to 345kpa, and 12 1/2*2 1/4 wheelchairs to 240kpa.
3. Electrical appliances: check whether the connection is reliable (the connector has a service life, please do not unplug it easily if it is unnecessary), electrical parts and connecting wires, check whether there is any damage or damage, if there is, please contact the supplier or find a professional qualified personnel to deal with, do not try to repair by yourself.
4. Electromagnetic braking: When the main power is on and the electric wheelchair has power, the system automatically activates the electromagnetic braking mode throughout the entire process to prevent the electric wheelchair from moving during parking.

5. Electromagnetic braking: it is a driving brake. Inspection method for asphalt in split allow wheel chairs to maximum speed driving straight ahead, then loosen the controller joystick, make its automatic recovery in situ, measuring the distance from the release lever to stop, if the distance is larger than the original, is fallen, braking effect if the distance is more than 1.5 m, you should contact the supplier to repair.
6. Precautions for low temperature use: battery loss will occur when the ambient temperature is lower than zero. The lower the temperature, the more serious the power loss.

WARNINGS ⚠

- The maximum weight capacity is 265 lb. (120kg). The Wheelchair is intended only for one user at a time. Do not carry passengers.
- Please do not operate the Wheelchair while excessively tired or under the influence of alcohol.
- Do not operate the Wheelchair at night or in low visibility.
- The Wheelchair is not waterproof. Do not operate in rain or snowy conditions.
- While the Wheelchair is designed for use indoors and outdoors, it is not intended for use in extreme terrains or on unsafe surfaces. Do not operate in muddy, rugged, soft, narrow, or icy conditions. Do not operate on unfinished roads without guardrails. When encountering grooves or other similar obstacles, decelerate and cross the obstacle slowly.

- The Wheelchair has can safely climb or descend a maximum slope of 6°. Riding the wheelchair up or down a greater incline can make it unstable and potentially tip over, resulting in injury and damage to the device. Always ride the device straight up or down an incline to reduce the risk of slipping or tipping over.
- Avoid driving in crowds or places with heavy traffic as much as possible.
- Always sit as straight up as possible with head backward, using the backrest in case of bumps in the road, which may cause a loss of control.
- Always start operation at the lowest speed setting and adjust it as desired once determining that it is safe to do so.
- Do not operate in excessively damp environments. Direct or prolonged exposure to water or dampness could cause the Wheelchair to malfunction and/or components to corrode. While the Wheelchair is designed for use indoors and outdoors, it is not intended for use in extreme terrains or on unsafe surfaces. Do not operate in muddy, rugged, soft, narrow, or icy conditions. Do not operate on unfinished roads without guardrails. When encountering grooves or other similar obstacles, decelerate and cross the obstacle slowly.

LIMITED WARRANTY

Vive Health Brand Products

We offer 100% Risk Free Purchases on Vive Health brand products. Our specially designed products come backed by an industry leading guarantee. Feel good about shopping because we completely removed the risk. If you need to redeem your guarantee you will receive a fast and courteous replacement, refund or exchange. Each product page will specify which the length of the product's guarantee.

Only products purchased through ViveHealth.com are automatically registered in our guarantee program. Purchases through 3rd party channels are only guaranteed if registered within 30 days of purchase.

Please also note that product must be purchased through Vive Health or an authorized retailer for the guarantee to be valid. Authorized retailers include:

Amazon.com: Vive Health Direct
Walmart.com: Vive Health

Counterfeit or replicas items are not covered by Vive Health's Guarantee policy.

For products purchased through an authorized reseller, the claim must go through the reseller as Vive Health is unable to confirm proof of purchase.

Products purchased used or through unauthorized resellers are not covered.

Each purchase can only receive one guarantee redemption. We can not continually refund, replace or exchange your product.

The term “Lifetime” means the estimated lifetime of the product covered within the specific warranty.

Customers must report any issues with any product within the first 30 days of purchase. If any defects or damages at arrival are not reported within the first 30 days, then the above warranties would not apply.

Visit Shipping / Return Policy Page for return related questions or contact us directly at 1-800-487-3808

ADDITIONAL WARNINGS

1. First of all, thank you for using The Vive electric wheelchair. Second, please pay attention to the following matters in daily use:
    a. Please timely check and cut off the power if anything abnormal is found during charging.
    b. avoid near the heat source or more than 50° environment using battery.
2. Do not disassemble or damage the battery. If the battery is seriously collided, please contact the manufacturer immediately. Do not continue to use it. Avoid children from touching the battery.

3. Precautions for battery use:
   a. Please charge the battery in normal indoor environment.
   b. Please charge the battery with a professional charger.
   c. Do not charge the battery for more than 8 hours when using the supporting charger.
   d. Be sure to keep away from flammable and explosive materials during charging and storage.

WASTE DISPOSAL

1. When the battery is recycled or discarded, be sure to use tape to insulate part of the electrode. Contact with other metals will lead to battery heating, rupture or fire.
2. Please send the used batteries to the company's authorized maintenance service center or recycler, or dispose of them according to local regulations.

ELECTROMAGNETIC INTERFERENCE

The electromagnetic wave emitted by this product may interfere with the medical equipment of the hospital. Please be sure to comply with the regulations of the hospital when using in the hospital and other places.

Radio waves (radio, television, amateur radio transmitters, walkie talkies, mobile phones) affect electric wheelchairs. Following these warnings will reduce the loss of control or brake failure of the electric wheelchair and avoid possible serious personal injury or equipment damage.

1. Do not turn on handheld communication devices, such as medium and short-wave rad-ios and mobile phones, while the motorized wheelchair is open;
2. Notice nearby transmitters, such as radio or television stations, and try to avoid them;
3. If the wheelchair is out of control or the controller fails, close the electric wheelchair as soon as possible;
4. Be aware of additions or modifications to attachments that may increase sensitivity to radio waves (note: it is not easy to assess their effects in electric wheelchairs);
5. Report to the wheelchair manufacturer if the wheelchairs are out of control or if the brakes are not working, and note if there is a radio source nearby.

ATTACHMENT

Guidance and manufacture's statement - electromagnetic emission		
Electric wheelchairs are intended to be used in the following specified electromagnetic environment, and the purchaser or user of the electric wheelchairs shall ensure that it is used in such electromagnetic environment:		
Launch Tests	conformance	Electromagnetic Environment-Guide
GB4824 RF emission	one group	Electric wheelchairs use RF energy only for their internal functions, so their RF emissions are low and may not interfere with nearby electronics.

Guidance and manufacture's statement - electromagnetic immunity			
Electric wheelchairs are intended to be used in the following specified electromagnetic environment, and the purchaser or user of the electric wheelchairs shall ensure that it is used in such electromagnetic environment:			
Immunity test	**IEC60601, GB/T18029.21 test level**	**In line with the level**	**Electromagnetic environment - guidelines**
Electrostatic discharge (ESD) GB/T 18029.21 GB/T 17626.2	±6kV contact discharge ±8kV air discharge	±6kV contact discharge ±8kV air discharge	±6kV contact discharge ±8kV air discharge
Power Frequency magnetic field (50/60hz) GB/T 18029.21 GB/T 17626.8	30 A/m	30 A/m 50/60Hz	The power frequency magnetic field should have the horizontal characteristics of the power frequency magnetic field in a typical business or hospital environment.
Note: U, means the ac network voltage before the test voltage is applied.			

Guidance and manufacture's statement - electromagnetic immunity			
Electric wheelchairs are intended to be used in the following specified electromagnetic environments. Purchasers or users of NPL001, NPL002 and NPL003 electric wheelchairs should ensure that they are used in such electromagnetic environments:			
Immunity test	**IEC60601, GB/T18029.21 test level**	**In line with the level**	**Electromagnetic environment - guidelines**

The RF transmission GB/T 18029.21 GB/T 17626.6 RF radiation (charger) GB/T 18029.21 GB/T 17626.3 RF radiation (wheelchairs) GB/T 18029.21 GB/T 17626.3	3 Vrms 150 kHz to 80 MHz 3V/m 80 MHz to 1.0 GHz 20 V/m 26 MHz to 2.5 GHz	Do not apply 3V/m 20V/m	Portable and multi-mobile RF communication equipment shall not be used closer to any part of the electric wheelchairs than the recommended isolation distance, including cables.The distance shall be calculated by a formula corresponding to the transmitter frequency. $d=1.2\sqrt{p}$ $d=1.2\sqrt{P}$ *80 MHz to 800 MHz* $d=2.3\sqrt{P}$ *80 MHz to 1.0 GHz* $d=0.2\sqrt{P}$ *26 MHz to 800 MHz* $d=0.4\sqrt{P}$ *800 MHz to 2.5 GHz* Where, P is the maximum output rated power of the transmitter provided by the transmitter manufacturer, in watts (W); d is the recommended isolation distance, in meters (m).

			The field strength of a stationary RF transmitter is determined by surveying the electromagnetic field and should be lower than the coincidence level at each frequency range.Interference may occur near devices that mark the following conformance. 

Note 1: at 80Mhz and 800Mhz frequencies, the higher frequency band formula is used.
Note 2 these guidelines may not be appropriate for all situations where electromagnetic transmission is affected by absorption and reflection by buildings, objects and the human body.

A. fixed transmitter field, such as wireless cellular/cordless phones and ground mobile radio base station, amateur radio, AM (amplitude modulation) and FM (frequency modulation) radio and television broadcasting, etc., the field intensity in theory are NPL001, NPL002,NPL003, electric wheelchair, field strength is higher than the place of the application of RF in line with the level, the electric wheelchair should be observed to verify their can run normally, if the observed abnormal performance of the supplementary measures may be required, such as directional orpositioning of electric wheelchairs.
B. In the whole frequency range of 150KHz-80MHz, the field intensity should be lower than 3V/m.

The recommended isolation distance between portable and mobile RF communication equipment and electric wheelchairs

The electric wheelchair is intended for use in a controlled electromagnetic environment with radiated RF harassment.Depending on the maximum power output of the communication equipment, buyers or users of electric wheelchairs can prevent electromagnetic interference by maintaining the minimum distance between portable and mobile RF communication equipment (transmitters) and electric wheelchairs as recommended below.

The rated maximum output power of the transmitter in /W	Isolation distance /m for different frequencies of the transmitter				
	150 kHz ~ 80 MHz $d=1.2\sqrt{p}$	80 kHz ~ 800 MHz (The Charge) $d=1.2\sqrt{p}$	80 kHz ~ 1.0 MHz (The Charger) $d=2.3\sqrt{p}$	26 MHz ~ 800 MHz (wheelchair) $d=0.2\sqrt{p}$	800 MHz ~ 2.5 MHz (wheelchair) $d=0.4\sqrt{p}$
0.01	0.12	0.12	0.12	0.02	0.04
0.1	0.38	0.38	0.38	0.06	0.13
1	1.2	1.2	1.2	0.2	0.4
10	3.8	3.8	3.8	0.63	1.26
100	12	12	12	2	4

For the maximum output rating of the transmitter not listed in the table above, it is recommended that the isolation distance d, in meters (m), be determined by the formula in the corresponding transmitter frequency column, where P is the maximum output rating in watts (W) provided by the transmitter manufacturer.

Note 1: The formula for the higher frequency range is used at 80MHz and 800MHz frequencies.
Note 2: These guidelines may not be suitable for all situations. Electromagnetic propagation is affected by absorption and emission from buildings, objects and the human body.

NOTES

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HAVE MORE QUESTIONS?

Check out our list of Frequently Asked Questions at **vhealth.link/mei** for helpful answers.

And if that doesn't answer your question, our customer service team would love to help! Feel free to connect with them by phone, e-mail, or chat on our website

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