



SEEV

Product
Specifications

SSR Motorsports

12825 Alondra Blvd, Norwalk CA 90650

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Chapter I- Introduction to the Product

This electric scooter features 3D technology design, which is characterized by pleasant modeling, fashionable and casual appearance, unique style, really simple but extraordinary structure, and noble and amiable nature, we believe that you will love it at first sight! The main features are as follows:

1. Lithium battery: The product has passed safety tests of UL and CE certification standards, which is safe and reliable. Its service life is 3 times of that of the conventional lead-acid battery service life, therefore, it is unnecessary to change it - its service life is ultra-long; its weight is 1/3 of that of the lead-acid battery, which is heavy. The product has high voltage, powerful grade ability and quick acceleration - high energy; it is also recognized as a green energy solution, which will not bring any pollution during the whole production and use process.
2. Battery compartment: In the center below the footboard, which is evenly balanced, small and light volume, and high safety and security.
3. Motor: It is manufactured with optimal magnetic steel material, high quality silicon steel sheet, thicker coils, precision bearings, thick and large motor shaft, which is powerful and strong and has high bearing capacity and high durability.
4. Tire: With the oversized floorboard, anti-skid grip-tape, and ultra-wide wheels/tires you can feel safe and free regardless if sitting or standing and enjoy convenient cargo carrying.
5. Frame: Virtual 3D design and assembly, fully automatic computer controlled pipe bending with advanced technology, and automated robotic welding are used.
6. Disc brake: The small and exquisite oil type disc brakes, pump bodies with aluminum alloy forging

technology, and the advanced CNC processing technology, make bringing the vehicle to a stop simple and easy.

7. Handlebar: The streamlined human body engineering leisure design with tough and firm natures makes you have a free and easy control.

8. Rolling handle: With the soft rubber molding injection, it makes your hands feel comfortable

9. Seat cushion: With the brand new plastic seat plate, high elastic foam, advanced anti-slip leather, elaborately-designed appearance, perfect fabrication and proper seat height, it makes you feel comfortable even after long time sitting and riding.

10. Intelligent charger: With the fully automatic portable design, no monitoring is needed during charging. It can be charged for used with 120V AC power supply.

Chapter II- Name of Parts of the Complete Vehicle and Outline Drawing



Chapter III - Main Technical Parameters

I. Main Technical Parameters of the Complete Vehicle

1. Overall dimensions: 1756×700×1200mm
2. Wheel base: 1296mm
3. Seat height: 700mm
4. Complete vehicle weight: $\leq 40\text{Kg}$
5. Tire specification: 18×9.5 - 8
6. Maximum load capacity: 75Kg
7. Designed maximum speed: $\leq 20\text{Km/h}$
8. Driving mileage: 40~60Km
9. Maximum torque: 95n/m
10. Maximum grade ability: $\leq 20^\circ$
11. Brake performance (20KM/H speed):
Dry state: $\leq 1\text{m}$; wet state: $\leq 3\text{m}$

II. Main Technical Parameters of the Battery

1. Battery type: Power lithium battery
2. Capacity: 12Ah 15Ah 20Ah
25Ah
3. Nominal voltage: 60V 72V

III. Main Technical Parameters of the Motor

1. Motor model: Brushless DC hub motor
2. Rated power: 500W 800W
1000W

IV. Main Technical Parameters of the Controller

1. Current limiting protection value: $\leq 25\pm 1\text{A}$
2. Under voltage protection value: $52\pm 0.5\text{V}$

V. Main Technical Parameters of the charger

1. Input voltage (AC): AC140~240V 50/60Hz
2. Output voltage (DC): $71.4\pm 0.4V$
3. Charging time (depending on the residual electricity): 6~8h

Attention: In order to facilitate maintenance, repair and service, these scooters will have a frame number and motor number to help SSR Motorsports provide better service. The frame number is marked on the base plate of the scooter and the motor number is marked on the motor shell cover.

Note: The above parameters will be changed without further notice. For details of vehicle models, see the company's technical parameter database!

Chapter IV - Operation Methods and Precautions

I. Precautions for Safe Driving

1. Please follow all traffic rules to ensure safe driving. The speed is recommended to be controlled within the safe range (note that the safe speed shall be controlled to 12 mph max).
2. Before driving, be familiar with the content of the Specification, and then find an open area for practice. Please be sure to fully learn the operational essentials and be familiar with the structure and performance of the electric scooter, this is the foundation of safe driving.
3. Don't lend the electric scooter to a person unfamiliar with it. Single hand driving, handlebar riding or drunk driving is very dangerous.
4. Please use additional caution when riding in snow or on rainy days. Rainy and snowy days can be dangerous due to the damp ground! Therefore, it is necessary to avoid high speed driving and be cautious when turning. Please remember to brake the electric scooter in advance on rainy and snowy days to prevent accidents!
5. Always wear a helmet!
6. Correct riding gear: Don't wear tight clothing, and ensure that your whole body can move freely. Ensure that clothes are not dangling or dragging and shoes are with low heels.
7. Do not overload: The maximum carrying capacity of the electric scooter is 220 lbs. The handlebar will feel different during heavy loads and no-load. Too high a load will make the handlebars vibrate and become dangerous. The stable load of the electric scooter is 1 person, and it will be very

dangerous if its front pedal is used to carry cargo and a person.

II. Correct Operation Method

1. Driving method

- ① You can drive while standing if you keep a natural posture.
- ② Driving while seated: Please sit in the middle of the seat cushion to avoid dangers due to the front wheel load reduction and/or handlebar vibration.
- ③ Driving while standing: It is necessary to slowly turn the throttle during standing acceleration to avoid dangers due to the driver's center of gravity causing instability or sudden acceleration.
- ④ Please drive the electric scooter slowly on damaged roads or roads with loose stones and debris.
- ⑤ The pavement will be wet and easy to slide in rainy and snowy weather, please focus on driving slowly. If the battery box below the footboard is submerged in accumulated water on the pavement, please don't ride the electric scooter to avoid burning electric components due to short circuit. In such cases, the brake performance will be reduced and accidents will more easily occur.

2. Parking method

- ① When parking, please pay attention to vehicles and pedestrians around you and slowly park the electric scooter at the right side of the flat pavement, do not park on a ramp or incline.
- ② After the electric scooter is stably parked, turn the ignition lock to the right and remove the key, and then lock the electric scooter with the supplied brake disc lock.

3. Operation of the electric battery meter: Switch on the ignition lock and the voltage indicator lamp will come on. In case of full charging, the green, blue and yellow lamps will be on. If the green lamp is off, it means that the electric quantity is only 60% of the rated capacity; if the blue lamp is off, it means that the electric quantity is only 40% of the rated capacity; if the yellow lamp is off, it means that the battery is empty. Therefore, when you find the blue lamp off, you will need to charge the battery.

4. Operation method of the ignition lock: Rotate the ignition lock key clockwise by one notch, which will turn on the power and the motor can be used. During driving, the key can't be removed and the power supply can't be turned off. In addition, it is also not possible to rotate the power lock counterclockwise to switch it off or turn off the power to the motor to stop motion. After parking, the ignition lock shall be rotated counterclockwise to turn off the power supply and remove the key.

5. Throttle (speed regulation handle):

The electric scooter will accelerate if the right handle is rotated towards the driver; otherwise, the electric scooter will decelerate. After reset, power supply to the motor will be stopped.

6. Operation method and precautions for the disc brake:

(1) Operation method of the disc brake

① Brake clearance adjustment: Rotate the adjusting screw by the 2mm Allen wrench (between the brake handle and the handlebar tube) and adjust the gap between the brake pads and the brake disc, until you have a comfortable hand feeling.

② After the brake pads are used for every six months, or its wear is larger than 1mm or the brake pad adjusting screw on the brake handle can't be adjusted, it shall be replaced. When replacing the brake

pads, press out one brake pad with a clean slotted screwdriver to empty the space to take another pad. After replacement of the new brake pads, the brake pad adjusting screw on the brake handle shall be returned to the proper position (the position where you have a comfortable hand feeling).

③ Break-in Period: The break-in of the disc brake rotor needs a certain amount of time; after completing break-in, the brake force will increase. In the first week, the new brake is in the break-in period, it is not allowed to forcibly apply the brake; otherwise, the brake pad and the brake will be irreversibly damaged. The correct operation method is to slightly engage the brake for normal driving and keep a proper gap between the brake pad and the disc brake rotor.

④ Oil change: The disc brake system uses mineral oil. When feeling the brake handle fatigue, the oil shall be changed (usually every 2~3 years) by means of suction via a hydraulic fluid evacuator.

(2) Precautions

① Don't apply lubricating oil to the disc brake rotor, brake pad and places near calipers. Do not touch the disc brake rotor and brake pad surface directly by hand; otherwise, the brake performance will be significantly reduced.

② The new brake shall not be sprayed with water to avoid polluting the brake pads by a small amount of lubricating oil in the assembly gap.

③ The oil pressure disc brake system has strong braking force, so you need to operate in a safe place, so as to adapt to its difference with common brake systems. Avoid forcibly applying the brake, which will cause the brakes to lock up which can cause an accident or damage the system.

7. Operation method and precautions for the charger:

(1) Operation method:

- ① During charging, insert the battery box plug first, and then insert the commercial electricity AC120V plug. After charging, first remove the commercial electricity AC120V plug, and then remove the battery box plug;
- ② During normal charging, the charger indicator lamp will show red; after full charging, the charger indicator lamp will show green;
- ③ If the charging temperature is too high, the red lamp will flash and the charger will be in a temperature protection state. Please move the charger to a cool and ventilated area. When the internal temperature of the charger reaches 140°F, it will resume normal charging.
- ④ If no battery is connected during use, the charger output is the pulse voltage smaller than 42V. During the test, apply 1KΩ resistance load between positive and negative output terminals, and the actual charging voltage of the charger can be tested.

(2) Precautions

- ① The charger can only be used indoors.
- ② No charging can be carried out in a sealed space, or under the scorching sun and high temperature environments. The charger can't be placed in the seat cask or the trunk for charging.
- ③ It is not allowed to connect the no-load charger with AC power supply for a long time under the uncharging state.
- ④ If the indicator lamp is abnormal, becomes smelly, or the charger shell is overheated during charging, charging shall be immediately stopped and the charger shall be repaired or replaced.

- ⑤ DO NOT remove or replace components within the charger.
- ⑥ DO NOT allow the charger to charge non-rechargeable batteries.
- ⑦ DO NOT use in a combustible gas environment, which may cause explosion or fire.
- ⑧ DO NOT get the charger near water or wet, which may cause fire or electric shock.
- ⑨ If the charger is damaged and internal parts are exposed due to collision, please don't touch it by hand, for it may cause an electric shock.

8. Operation method and precautions for the battery

(1) Charging

- ① Be sure to use our specially equipped charger for charging. Irregular or unqualified chargers may shorten the battery service life or make it fail!
- ② The completely discharged battery (after stopping the electric scooter) can be charged by more than 95% within 5h, and it can be charged by 100% within 8h.
- ③ During charging, do not allow contact between positive and negative terminals directly with metal.
- ④ During the product delivery, the charge is about 80%. The new electric scooter shall be recharged for 3~10h before use.
- ⑤ If the electric scooter is not used for more than 1 month, the battery charge capacity will be reduced by about 5%. It is recommended to charge it before use.
- ⑥ Please charge the battery on a regular basis to ensure the battery life.

⑦ The charger will become hot during charging, which is normal if the temperature is not higher than 140°F

⑧ Please put the charger and the electric scooter in a stable and dry place without inflammable and explosive articles which can't be touched by children during charging.

⑩ The battery shall be charged within 24h after complete discharge, and the charging time shall not be shorter than 3h.

⑪ The charging port shall not be short circuited.

(2) Discharging (use)

① The battery can only be used for this type of electric scooter, it shall not be used for other purposes; otherwise, it will not be covered by warranty.

② In case of short circuit, the battery management system will be protected automatically and the fuse composed of series-wound power lines will be fused for double protection of your battery. The battery can work normally within about 2 minutes after short circuit release and fuse replacement.

③ Damage or unreasonable use of the controller, motor, horn and lighting equipment of the electric scooter will bring large current discharge of the battery. In such case, the battery will protectively stop output, but it will be recovered within 10 seconds, and it will not affect your riding.

④ The battery operational temperature range: 14°F~131°F, which is same as that of other battery. With temperature reduction, the battery energy use will also be reduced, which is normal.

⑤ The discharge port can't be short circuited.

(3) Storage

- ① In case of a long time storage (more than 1 month), it is recommended to charge the battery by 60%~80%. The battery shall be recharged every three months during the storage period, which shall also be recharged before use.
- ② The battery shall be placed in a cool and dry environment.
- ③ The positive and negative electrodes of the conducting object can't be directly connected during storage.
- ④ The battery shall not be used near a fire source.
- ⑤ DO NOT disassemble the battery.
- ⑥ DO NOT retrofit the battery.

(4) Warning

- ① If you discover that the battery has become deformed or hot, it shall be replaced. It is also necessary to ask for help from the company or the maintenance department.
- ② In case of fire, DO NOT extinguish the fire on the battery with water directly. It is recommended to select sand, foam fire extinguisher, thick fabric saturated with water, and other fire extinguishing method for organic solvent processing.
- ③ Failure of the battery due to delayed charging of an incompletely discharged battery will not be covered by warranty.
- ④ The battery can't be thrown in the trash.

III. Checking, Cleaning and Maintenance:

(I) Regular or daily pre-ride checklist

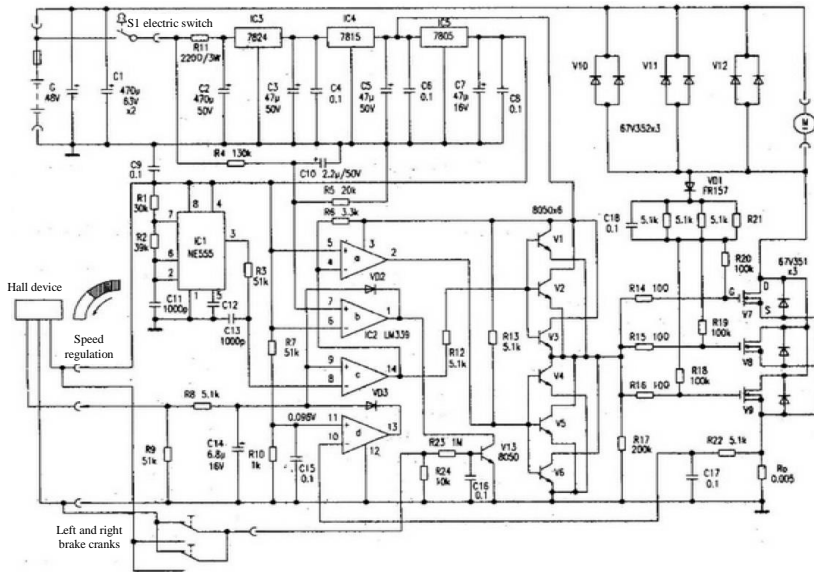
1. Please ensure to check over the electric scooter in a safe place.
2. Check whether the abnormal operation of the previous day will affect operation today.
3. The braking effect: Check whether the brake handle can be moderately applied, whether the gap is proper, and whether it can be normally braked.
4. Check whether the tires have cracks, damage, and abnormal wear or if they are embedded with metal, stone, glass and other sharp objects. Check the tire groove depth. The tire shall be replaced when the bump on the tire has been worn out by 2/3. According to the sag of the tire contact with the ground, check the tire pressure. The normal pressure value of both front and rear tires is 22 psi.
5. Check whether the power supply voltage indicates complete charging (check it according to Article 3 of Item II in Chapter 4).
6. Steering system check: Check the upper and lower steering stem bearings, front and rear wheel bearings, handlebar clamps and front fork for moderate elasticity and flexible steering; check whether it has a clattering sound, and check whether the steering system is loose, has a knocking sound or other problems. If these problems exist, please contact an authorized SSR dealer to provide you with the most reliable after-sales service.
7. Check whether the front and rear axle are loose.

IV. Common Fault and Troubleshooting Method

| No. | Fault Phenomenon | Fault Reason | Troubleshooting Method |
|-----|--|--|--|
| 1 | The throttle fails or the maximum speed is reduced | <ul style="list-style-type: none"> ① The battery voltage is too low; ② The throttle is damaged; ③ The spring in the throttle is stuck or failed | <ul style="list-style-type: none"> ① Completely charge the battery; ② Find a dealer and ask for a replacement; ③ Find a dealer and ask for a replacement; |
| 2 | The motor doesn't work after connecting power supply | <ul style="list-style-type: none"> ① The battery connecting line is loose; ② The throttle is damaged; ③ The motor output line plug-in component is loose or damaged; | <ul style="list-style-type: none"> ① Repair and reconnect it; ② Find a dealer and ask for a replacement; ③ Find a special maintenance station and ask for repair; |
| 3 | The continuous range is insufficient after one time charging | <ul style="list-style-type: none"> ① The tire pressure is insufficient; ② The charging is insufficient or the charger has fault; ③ The battery is aged or damaged; ④ There are a number of uphill operations, strong head wind, frequent brake start, and high load; | <ul style="list-style-type: none"> ① Sufficiently inflate the tire; ② Completely charge it or replace the charger; ③ Replace the battery; ④ It will become normal after changing riding conditions |

| No. | Fault Phenomenon | Fault Reason | Troubleshooting Method |
|-----|--------------------------------|--|---|
| 4 | The battery can't be recharged | <ul style="list-style-type: none"> ① The charger socket is loose or the connection between the plug and the socket is loose; ② The fuse of the battery box is burnt out; ③ The battery set wiring is loose; | <ul style="list-style-type: none"> ① Fasten the socket or the plug-in component; ② Replace the fuse of the battery box; ③ Properly weld the connecting line; |
| 5 | Other fault | <ul style="list-style-type: none"> ① When the fault cannot be determined; ② When the motor, battery, controller, charger, etc. have internal damages; | Please find a dealer or a professional maintenance station and ask for repair, and it is not advised to open above parts without permission. Otherwise, it will not be covered by our warranty. |

Chapter V- Electrical Diagram



Chapter VI- Quality Assurance and After-sales Service

I. Warranty Terms and Conditions

1. Please check the electric scooter during your purchase. You can request the sales staff to provide a bill-of-sale, a warranty card, and an address / telephone of your primary dealership.
2. We recommend that you read the User's Guide and master the correct operation method and precautions for daily maintenance after purchasing the electric scooter. If the electric scooter will be used by a person unfamiliar with the operational methods, operation methods shall be explained to him to avoid accidental damage.
3. For complete warranty terms and conditions please visit:

<http://www.ssrmotorsports.com/store/warranty.php>

SEEV Warranty Identification Standard

| No. | Part Name | “Replacement” Standard | “No Replacement” Standard | Warranty Period |
|-----|------------|--------------------------------------|---|-----------------|
| 1 | Handlebars | Crack | The handlebar pipe is deformed, cracked or damaged due to artificial factors or improper use | 1 year |
| 2 | Front fork | Crack, welding seam | The handlebar pipe is deformed, cracked or damaged due to artificial factors or improper use | 2 years |
| 3 | Frame | Crack of key part | <ol style="list-style-type: none"> 1. Damages are caused due to artificial factors or improper use; 2. The welding nut falls off; 3. The frame structure is changed; 4. The electric bike structure is changed. | 2 years |
| 4 | Tires | Delamination and steel wire exposure | <ol style="list-style-type: none"> 1. The tread groove of the outer cover of tire is worn out; 2. The outer cover of tire is torn or it has scratches from narrow to deep due to artificial factors or improper use. | 1 year |

| No. | Part Name | “Replacement” Standard | “No Replacement” Standard | Warranty Period |
|-----|-----------------|---|--|-----------------|
| 5 | Motor | Bearing crack, enclosure structure damage | <ol style="list-style-type: none"> 1. It is deformed, cracked or damaged due to artificial factors or improper use 2. The appearance is eroded and polluted; 3. The parts are missing and unmatched; 4. The appearance is damaged and deformed; 5. The spare parts are not manufactured by the same company. | 1 year |
| 6 | Controller | Failure | It is damaged due to improper use or artificial factors | 1 year |
| 7 | Charger | Failure | It is damaged due to improper use or artificial factors | 1 year |
| 8 | Lithium battery | If the capacity attenuation is lower than 80% and 70% within 15 months and 16-24 months after the delivery, the battery shall be changed; | <ol style="list-style-type: none"> 1. It can reach the specified capacity after the charging test; 2. Shell damage, incorrect use of charger, removal and installation without permission, use under high temperature ($\geq 60^{\circ}\text{C}$), high current discharge for a long time, short circuit due to artificial flooding, etc. due to artificial factors or improper use | 1 year |

| No. | Part Name | “Replacement” Standard | “No Replacement” Standard | Warranty Period |
|-----|--------------------|---|--|-----------------|
| 9 | Disc brake | Oil leakage and damage of upper and lower oil pumps, brake handle crack due to manufacturing defects, oil pipe leakage due to defects, etc. | <ol style="list-style-type: none"> 1. Damages are caused due to artificial factors or improper use; 2. The user change its state without permission; 3. The accessories have serious defects. | 1 year |
| 10 | Bottom fork | Crack | <ol style="list-style-type: none"> 1. Damages are caused due to artificial factors or improper use; 2. The user change its state without permission; 3. The accessories have serious defects. | 1 year |
| 11 | Main standing rack | Crack | <ol style="list-style-type: none"> 1. Damages are caused due to artificial factors or improper use; 2. The user changes or repairs it without permission (additional welding, etc.) | 1 year |
| 12 | Main cable | Short circuit, crack and ablation during use due to bonding | <ol style="list-style-type: none"> 1. The cable structure is changed without permission or damaged; 2. The cable surface is worn out (not the problem of the electric bike structure) | 1 year |

III. Scope and Content Not Covered by Warranty

1. The fault is caused as the user fails to carry out proper electric scooter operation, maintenance or adjustment according to the User's Guide;
2. The users modifies and disassembles the electric scooter without permission which leads to damage or the user damages the original state and causes the damage unavailable for technical appraisal and analysis;
3. The user uses aftermarket component parts not from SSR Motorsports;
4. The fault is caused due to the user's improper use and maintenance or accident;
5. There is no warranty registration for the electric scooter;
6. The wearing parts and consumer goods will not be covered by SSR Motorsports;
7. The secondary fault is caused by the condition that the user still continues using the defective electric scooter;
8. The user changes the invoice date and coding of spare parts of the electric scooter without permission.

Warranty Registration Card for SEEV Electric Scooter

No.:

| | | | | | |
|----------------------------------|---|-----------------------------------|--|---------------------------------|-------|
| Manufacturer | SSR Motorsports | | | Postal code | 90650 |
| Location | 12825 Alondra, Norwalk CA | | | Telephone number | |
| Model and name | SEEV-800 | Electric bike code | | Electric bike color | |
| Frame number | | Motor number | | | |
| Distribution unit (seal) | | Unit number | | Telephone number/ fax number | |
| Distribution unit's address | | | | Postal code | |
| Maintenance station's address | | | | Telephone number/ fax number | |
| User's name | | Electric scooter purchase date | | Postal code | |
| ID card number | | Telephone number | | Manufacturing date | |
| Address | | | | Occupation | |
| Purchase Type: | <input type="checkbox"/> Friend's introduction <input type="checkbox"/> Advertisement, magazine <input type="checkbox"/> Exhibition <input type="checkbox"/> Sample <input type="checkbox"/> Internet ordering <input type="checkbox"/> Others | | | | |
| Purchasing form | <input type="checkbox"/> Newly purchasing <input type="checkbox"/> Additionally purchasing | | | User's signature | |

Maintenance Record

Date

Warranty Content

Remarks

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|-------|-------|-------|
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SSR Motorsports

Address: 12825 Alondra Blvd, Norwalk CA 90650

Website: www.ssrmotorsports.com