

**QUANTA**

# User Manual



| Owners Information  |  |
|---------------------|--|
| Name                |  |
| Address             |  |
|                     |  |
| Phone               |  |
| Email               |  |
| Dealer Information  |  |
| Name                |  |
| Address             |  |
|                     |  |
| Phone               |  |
| Email               |  |
| Vehicle Information |  |
| Model               |  |
| VIN                 |  |
| Battery Serial No.  |  |
| Motor Serial No.    |  |
| Date of Purchase    |  |

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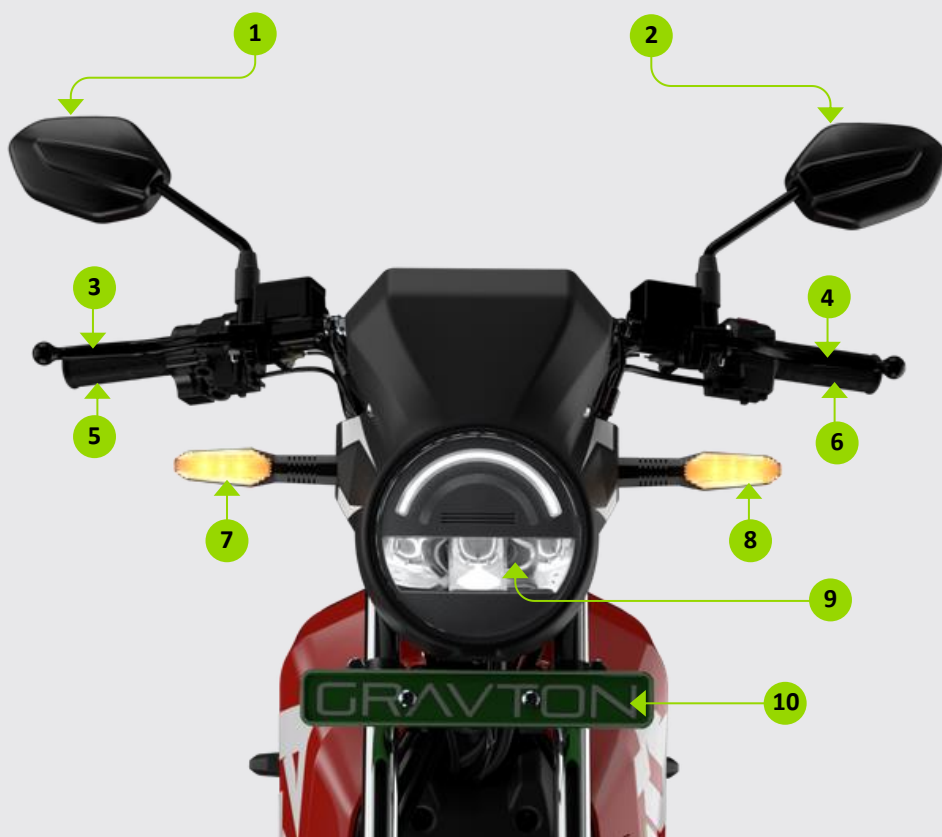
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## Safety Information

- Double the helmets, double the safety: Always wear helmet while riding and ensure that the pillion rider also wears one for their safety.
- License to unlimited thrill (safely!): Let only licensed riders get behind the wheel for everyone's peace of mind.
- Stay on top of your charge! Regularly check your battery level and locate the closest charging station for a quick top-up.
- Be the change you want to see. Lead by following the rules and promoting safe riding.
- Park smart, park protected: Find a place with shade and a flat surface to park your Quanta S+.
- Avoid parking the vehicle in water-logged areas. Make sure the water never enters through the base plate, as it can lead to short circuits.
- Do not overload: Never load your Quanta S+ with more than the specified limit of 150 kg.
- Avoid carrying flammable material for your own safety as well as others.
- Your safety is the first priority: Avoid tinkering with electrical components and wiring. Let our experts handle them to keep you and your ride safe.
- In case of fire, seek professional help (use of a class D fire extinguisher will help). Dial 101 to call the fire service.

## Getting Familiar with Quanta S+



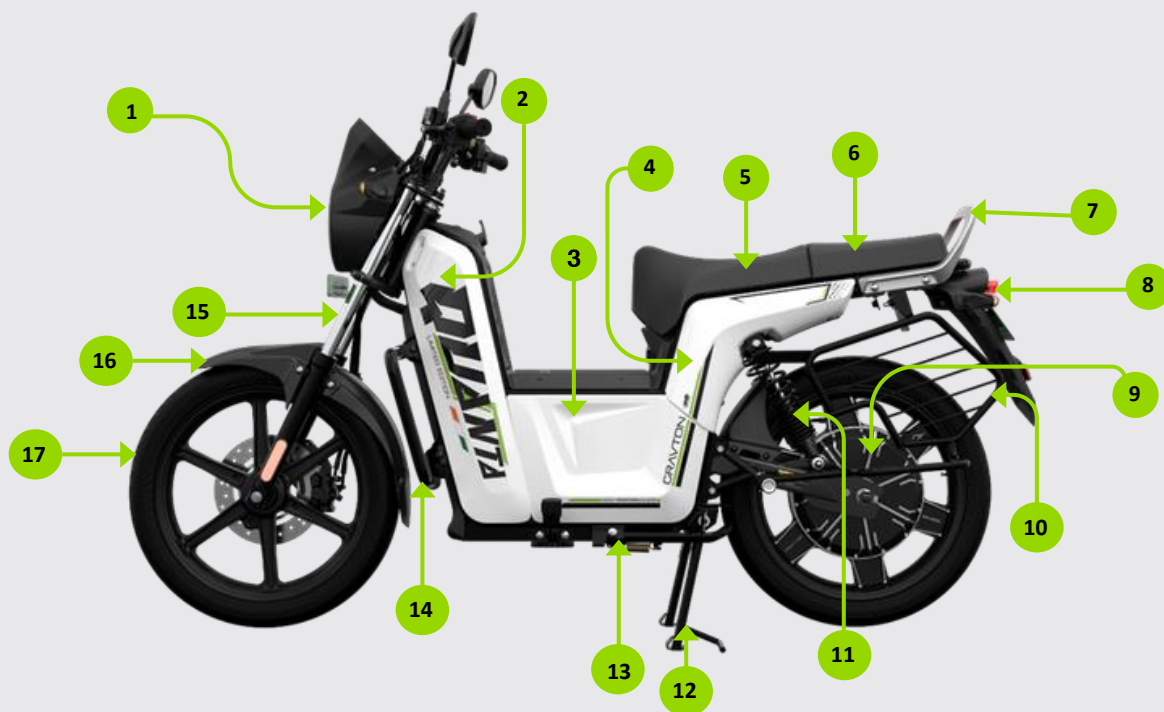
- 1, 2 Rear view mirrors
- 3, 4 Brake lever
- 5 Throttle
- 6 Left handle gripper
- 7, 8 Front turn light indicators
- 9 Headlight
- 10 High security Number plate

## Quanta S+ - Rider's POV

- 1 Cluster
- 2, 3 Combi switch
- 4 Glove box hook
- 5 Glove Box
- 6 Handle Bar

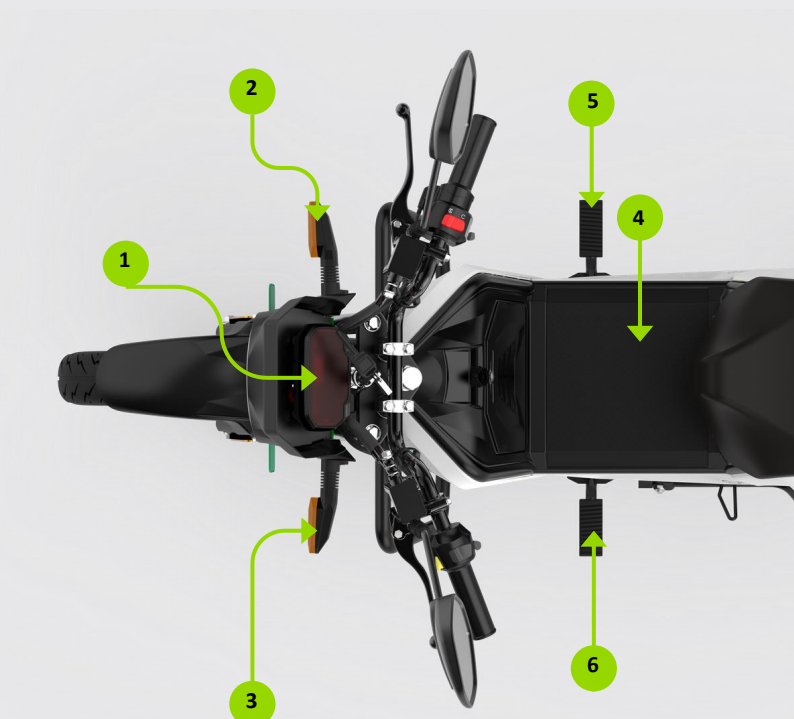
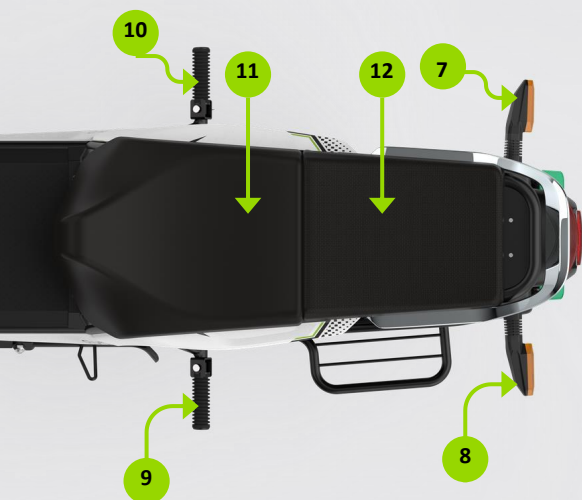


## Quanta S+ Side View



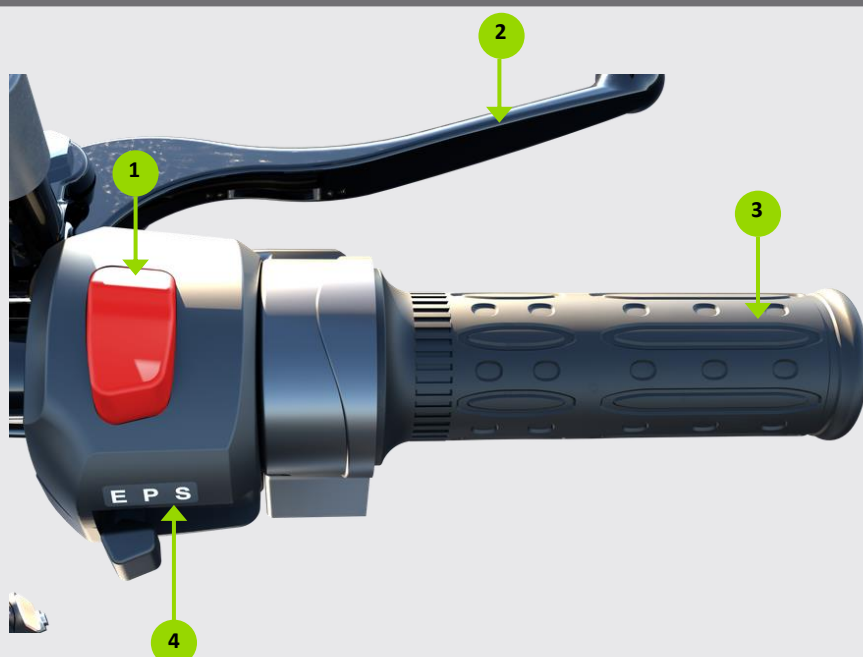
- |       |                             |    |                                       |
|-------|-----------------------------|----|---------------------------------------|
| 1     | Head Light                  | 10 | Saree Guard                           |
| 2,3,4 | Front, Middle & Rear panels | 11 | Spring type Dual Rear shock absorbers |
| 5     | Front Seat                  | 12 | Center Stand                          |
| 6     | Rear Seat                   | 13 | Side Stand                            |
| 7     | Grabrail                    | 14 | Crash Guard                           |
| 8     | Tail Light                  | 15 | Telescopic Front shock absorbers      |
| 9     | Rear wheel – Hub Motor      | 16 | Front Mud Guard                       |
|       |                             | 17 | Front Wheel                           |

## Top view – Footboard, Front seat, Rear seat, Grab rail



- 1 Cluster
- 2,3 Front turn indicators
- 4 Footboard
- 5,6 Front foot rest
- 7,8 Rear turn indicators
- 9,10 Rear foot rest
- 11 Front seat
- 12 Rear seat

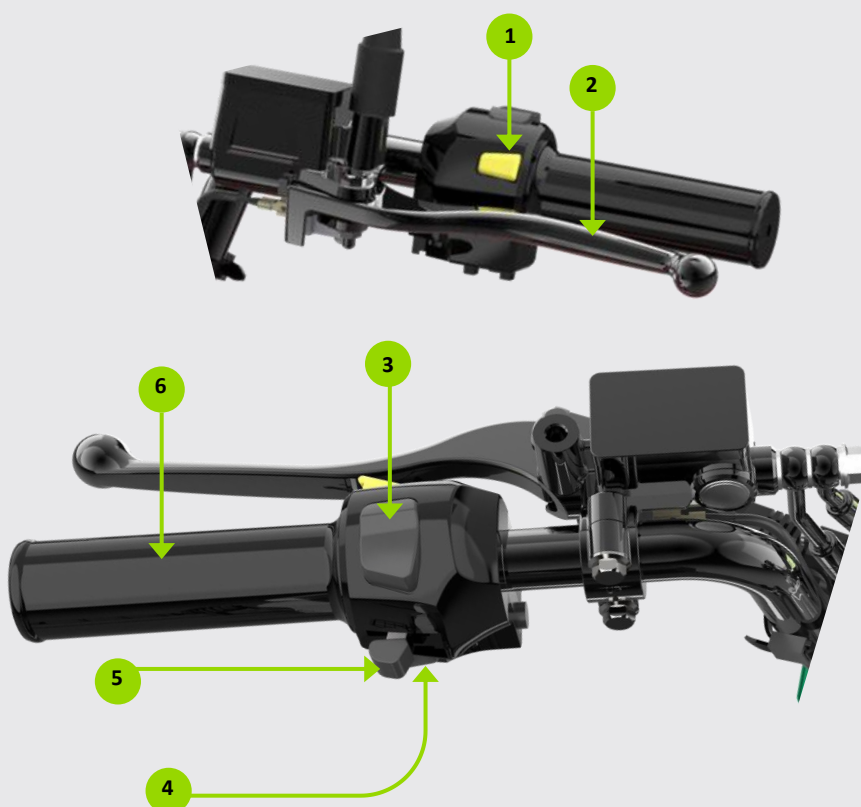
## Quanta S+ – Rider POV – Right side combi switch



- 1 Power On, Power OFF
- 2 Right brake lever
- 3 Throttle
- 4 Riding modes ( ECO | POWER | SPORT)

## Quanta S+ – Rider POV – Left side combi switch

- 1 Pass light signal switch
- 2 Left brake lever
- 3 Headlight controls
- 4 Horn
- 5 Turn signal controls
- 6 Left hand gripper

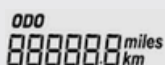


## Display / Dash / Cluster

The Quanta S+ boasts a water-resistant 8.25 cm display, built to handle splashes and rain with ease.



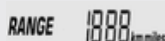
Speed - Refer to "PUSH BUTTON & SETTINGS"



Odometer – Total Km indicator – Refer to "PUSH BUTTON & SETTINGS"



Trip indicator – Refer to "PUSH BUTTON & SETTINGS"



Range indicator – Refer to "PUSH BUTTON & SETTINGS"



SOC: State of Charge indicator - Refer to "PUSH BUTTON & SETTINGS"



F - Forward Indicator. R - Reverse Indicator (Not available for the Quanta S+ variant)



Economy mode indicator



Power mode indicator



Sport mode indicator



Regen indicator



Vehicle running indicator - Refer to "RIDING GRAVTON Quanta S+" for instructions.



Left indicator - Refer to "RIDING GRAVTON Quanta S+"



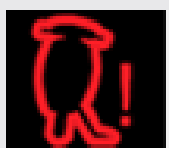
Right indicator - Refer to "RIDING GRAVTON Quanta S+" for instructions.



Headlamp high beam indicator - Refer to "RIDING GRAVTON Quanta S+" for instructions.



Low battery indicator - Refer to "RIDING GRAVTON Quanta S+" for instructions.



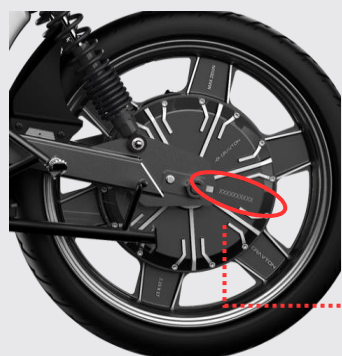
Side stand indicator - Refer to "RIDING GRAVTON Quanta S+" for instructions.



Service indicator - Refer to "SERVICE INSTRUCTIONS" for more details about services.

## Identification Numbers

Your vehicle comes with a unique Identification Number (ID), which is critical for registration, warranty, service, and theft prevention. This ID number may also be referred to as a VIN (Vehicle Identification Number) or Chassis Number.



### Motor Serial Number:

The motor serial number can be found on the outer surface of the motor housing, as illustrated in the image. It is engraved clearly on the motor housing. Look for a sequence of alphanumeric characters, typically in the format: ABC1DJCKX2WWXXYZXX.

## Technical Specifications

### Dimensions

|                         |                            |
|-------------------------|----------------------------|
| Length x Width x Height | 1945 mm x 735 mm x 1070 mm |
| Wheelbase               | 1260 mm                    |
| Ground Clearance        | 190 mm                     |
| Kerb Weight             | 123 kg                     |
| Saddle height           | 785 mm                     |
| GVW                     | 273 kg                     |

### Performance

|                 |                     |
|-----------------|---------------------|
| Top Speed (KPH) | 75 km/hr            |
| GVW             | 273 kg              |
| Certified Range | 165 km              |
| Riding Modes    | Eco   Power   Sport |

### Motor

|                |                 |
|----------------|-----------------|
| Torque (motor) | 172 Nm at wheel |
| Motor Power    | 4 kW            |
| Drive Type     | Hub Motor       |

### Brakes

|              |                        |
|--------------|------------------------|
| Brakes Front | 240 mm Disc            |
| Brakes Rear  | 220 mm Disc            |
| Braking Type | Combine Braking System |

### Tires & Wheels

|             |                                             |
|-------------|---------------------------------------------|
| Tire Size   | Front: 80/100-17 46P<br>Rear: 80/100-17 53P |
| Tire Type   | Tubeless                                    |
| Wheels Type | Aluminum Alloy                              |

### Battery

|               |                                             |
|---------------|---------------------------------------------|
| Capacity      | 3.84 kWh                                    |
| Charging time | 20%-90% : 3.46 Hours<br>0%-100% : 5.4 hours |
| Charger type  | Portable Charger                            |

## Technical Specifications (contd.)

### Electrical

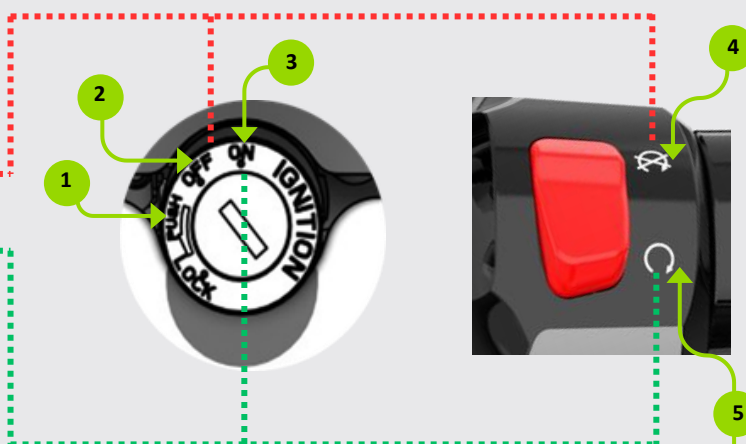
|                     |                                                                                                           |
|---------------------|-----------------------------------------------------------------------------------------------------------|
| Display             | 3.25 in - LCD                                                                                             |
| Roadside assistance | Yes                                                                                                       |
| Motor Type          | Hub – BLDC, 4kW, 172 Nm at wheel                                                                          |
| Additional Features | Drive Modes - ECO   Power   Sports,<br>Seat Length - 650 mm, Boot Lock,<br>Predictive Maintenance Alerts, |
| Battery Type        | LMFP                                                                                                      |
| Lighting            | LED                                                                                                       |
| Charger             | Portable Charger, 12A                                                                                     |

## Riding Gravton's Quanta S+

### Unlock the Power

Key Lock

- |   |           |             |
|---|-----------|-------------|
| 1 | Push Lock | Handle Lock |
| 2 | OFF       | Motor OFF   |
| 3 | ON        | Motor ON    |
| 4 | Power OFF |             |
| 5 | Power ON  |             |



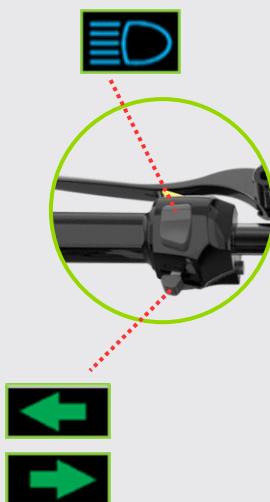
**Note:** Make sure the MCB (page 15) is turned ON before switching ON the Motor.



**Vehicle Running Indicator** – When your Quanta S+ is powered ON, look for the icon on the dashboard/display to confirm that your vehicle is ready for riding.

**Left/Right Indicator** – The left/Right indicator icon on your dashboard/display will flash when you activate the left turn signal. This visual cue helps ensure safe lane changes and turns.

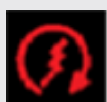
Refer to section **Quanta S+ – Rider POV – Left side combi switch**



**Headlamp High Beam Indicator** – The high beam indicator icon on your dashboard/display will illuminate when you activate the headlight high beam. This visual cue confirms that the high beam is ON, providing enhanced visibility during night riding or in low-light conditions. Always switch to low beam when approaching oncoming traffic or following another vehicle to avoid dazzling other road users.

## Unable to Ride?

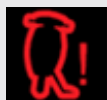
Check for these below indicators.



**Vehicle Not Ready indicator** - Vehicle Not Ready turn ON along with park brake.



**Low Battery Indicator** – Monitor the battery status and recharge as needed to ensure a smooth, uninterrupted ride.



**Side Stand Indicator** – Check for the side stand icon on the dashboard/display. Ensure the side stand is retracted before riding to avoid interruptions and ensure safety.

Your riding experience with the Quanta S+ is designed for ease and convenience. If you encounter any issues, please contact us for assistance, and check for any fault codes displayed on your Display/Dash/Cluster for guidance.



## Service Instructions



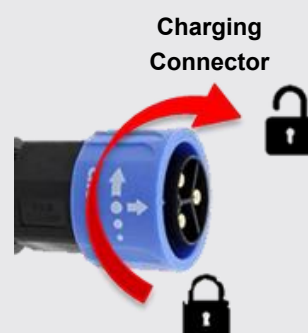
**Service Indicator** – The service icon on your **Display/Dash/Cluster** alerts you when your Quanta S+ is due for maintenance. Regular servicing ensures optimal performance and longevity, so please schedule a service appointment when this indicator appears.

Refer section **Periodic Maintenance and Service Records**.

Following these instructions helps maintain the reliability and safety of your Quanta S+, enhancing your riding experience and preventing unexpected issues.

## Charging your Quanta S+

- Align the connector with the vehicle's charging port. Insert the connector firmly into the charging port until it locks into place with a click sound. Refer to the picture showing the connector.
- Once charging is complete, turn off the charger or disconnect it from the power source.
- Turn the release latch on the connector and gently pull it out from the charging port.



**Caution:** Handle with care. Keep the connector dry, avoid heat, and do not force or tamper with it. Ensure a secure connection and safely unplug after use.

## Main Circuit Breaker (MCB)

The MCB is designed to protect the electrical system and prevent battery drain during extended periods of inactivity of your Quanta S+. **To start the vehicle, turn ON the MCB by pushing the trigger down.**



Usage Instructions:

- Turn off the MCB if the vehicle is parked for more than 2 days.
- Ensure the MCB is turned back on before starting the vehicle.

**Caution:** Avoid operating MCB with wet hands. In case of issues, contact the authorized service center.

## Riding Modes

- **E - ECO** - Speed limited to 40 Km/hr – Range – 165\* km
- **P - POWER** - Speed limited to 55 Km/hr – Range – 120\* km
- **S - SPORT** - Speed limited to 75 Km/hr – Range - 90\* km

\* terms and conditions apply

Imagine having all your riding preferences in one bike! With **ECO**, **Power**, and **Sport** modes, you can effortlessly adapt to different riding needs. The **ECO** mode helps maximize battery efficiency for longer rides, **Power** mode delivers enhanced performance for daily commutes, and **Sport** mode gives you a thrilling boost of speed for an exhilarating experience. This versatile combination ensures that you travel faster, cover longer distances, and optimize energy use—all in one seamless ride!



## 17" Wheels and Disc Brake

### Tire Pressure

- Maintain tire pressure as Front-34 psi, Rear-40 psi for optimal performance and safety.
- Check the pressure regularly to prevent wear or instability.

### Maintenance

- Regularly inspect for punctures, cracks, or excessive wear on the tire.
- Clean the rim, spokes and disc to prevent rust or corrosion.

### Safety

- Avoid sharp impacts or aggressive off-road use, which can damage the rim or spokes.



**Caution:** Avoid sharp impacts or aggressive off-road use. Always maintain tire pressure.

## Hub Motor

### Hub Motor Safety

- Avoid exposure to extreme water, dirt, or dust.
- Do not allow the motor to overheat; ensure proper ventilation.

### Maintenance

- Check connections for wear and tear regularly.
- Keep the motor clean and free from debris.

### Troubleshooting

- If the motor stops working, check fault code on cluster/Dash. Contact authorized service support team if the problem persists.



**Caution:** Avoid exposing the hub motor to water, dirt, or high impacts to maintain optimal performance and safety.

## Battery

### Battery Safety

- Avoid exposure to water above vehicle base plate level.
- Avoid direct radiation of heat (above 30°C).
- Ensure that the battery is securely installed to prevent vibrations or damage.
- Use only the manufacturer-recommended charger.
- Charge the battery to at least 85% every 14 days to prevent deep discharge.



LMFP, 3.84 kWh

### Handling Precautions

- Do not attempt to open or tamper with the battery.
- Dispose off damaged batteries at authorized centers.
- Turn OFF the MCB when the vehicle is not in use for more than two days. Ensure that charge level is more than or equal to 50% in such scenarios to maintain optimal battery life.

**Caution:** Handle the battery with care. Avoid exposure to extreme temperatures, water, or direct sunlight.

## Charger

### Safety

- Use only the manufacturer-recommended charger.
- Ensure a secure connection between the charger and the vehicle before starting the charging process.
- Keep the charger away from water, heat sources, and flammable materials during use.



### Maintenance

- Regularly check the charger's cables and connectors for wear and tear.
- Clean the charger's surface with a dry cloth; do not use water or solvents.
- Store the charger in a dry, cool place when not in use.

**Caution:** Avoid using the charger in wet conditions and do not tamper with the device.

### Storage

Your **Quanta S+** is equipped with added 5-liter storage compartment designed to hold essential items like personal belongings, tools, or small accessories. Ensure items are securely placed and do not exceed the recommended weight limit to maintain optimal performance and safety. Always remove the contents from the storage compartment during water washing.

**Caution:** The glove box and under-seat storage compartment are not water-resistant. Please remove all items, such as documents, essentials, and chargers, from these storage areas during rain or while washing the vehicle to prevent potential damage.

For safety purposes, the vehicle washing must be done only by Authorized Service Dealer.

Glove Box



Seat Under Cabin



## Accessories

Your **Quanta S+** is compatible with a range of accessories designed to enhance safety, convenience, and comfort. These include items like **crash guards, center stand, vehicle covers, seat covers mobile phone holder, and more.** All accessories are engineered to seamlessly integrate with the vehicle's design while maintaining safety and performance standards. Always ensure accessories are correctly installed and maintained. Use only manufacturer approved accessories to ensure proper fitment and warranty compliance.



Mobile Phone Holder



Center Stand



Waterproof  
standard cover



Crash Guard

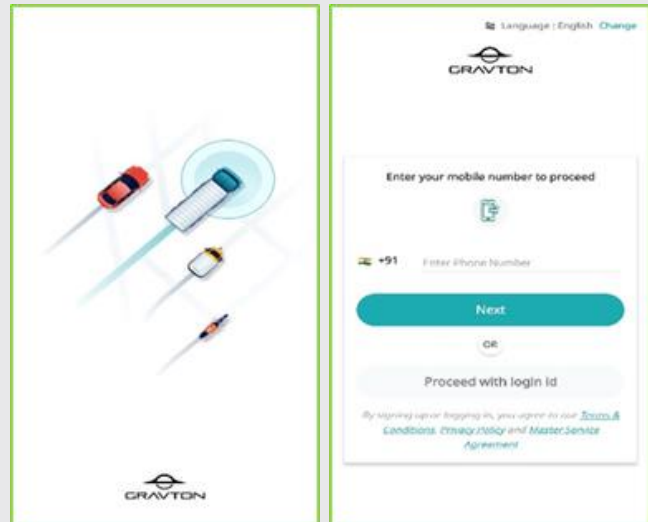
## GOTAC

The **Gravton Over The Air Communication (GOTAC)** is an advanced smart device integrated into your vehicle, designed to enhance your riding experience by enabling tracking, personalization, and real-time notifications. With GOTAC, you can monitor your vehicle's location, receive important updates, customize settings, and stay informed about performance metrics directly from your mobile device, ensuring seamless connectivity and convenience on the go.

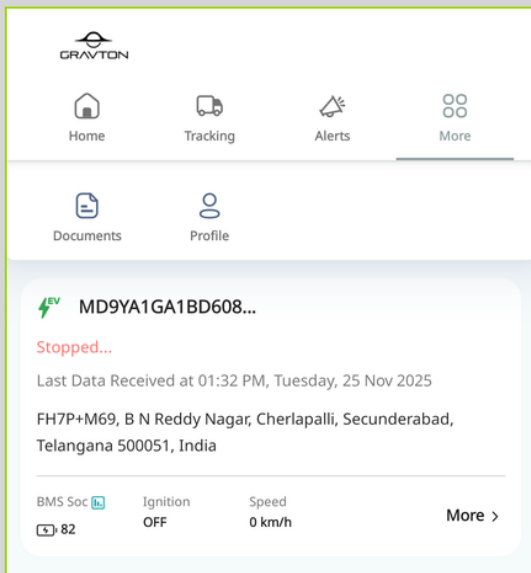


## Gravton Customer Smart App

When opening the **GRAVTON** mobile app for the first time, please log in using your mobile number. Enter the OTP received from **GRAVTON MOTORS** Private Limited to complete the login process. Select the vehicle you wish to link to your app. If no vehicle is currently linked to your mobile number, you can add one by entering the VIN or chassis number of the vehicle.



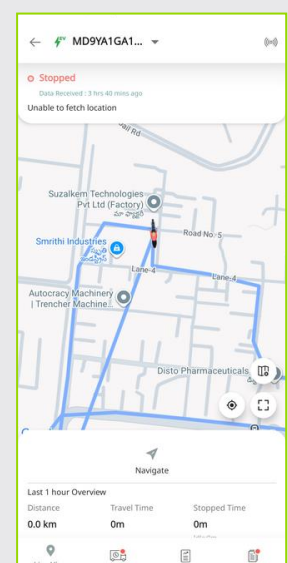
**NOTE: Your onboarding and verification for the app will be completed by your dealer at the time of vehicle purchase.**



Everything you need at your fingertips. Access all your vehicle details and notifications with just a click, for complete peace of mind.

Once your chassis number is successfully verified, the app will display the Home screen. The verification process might take around 2 days. Your dealer will update all the details as required.

**NOTE: Your onboarding will be completed by your dealer at the time of vehicle purchase.**



## Push Buttons & Settings

### Mode and set switch function

| S. No | Current Mode | Type of Button | Press Time (sec) | Action                        |
|-------|--------------|----------------|------------------|-------------------------------|
| 1     | ODO          | MODE button    | Short Press      | Change to Trip A.             |
| 2     | Trip A       | SET button     | Long Press       | Reset Trip A value to 0.0 km. |
| 3     | Trip A       | MODE button    | Short Press      | Change to Trip B.             |
| 4     | Trip B       | SET button     | Long Press       | Reset Trip B value to 0.0 km. |
| 5     | Trip B       | MODE button    | Short Press      | Change to ODO.                |
| 6     | Trip A       | MODE button    | Long Press       | Swap from km to miles.        |

## Maintenance

Get expert service for your Quanta S+ at any Authorized Gravton service location. Unsure, where to go or need help with your service history? Reach out to our friendly Gravton customer support team.

Your warranty protects you from specific repair and maintenance costs. However, if a repair falls outside the scope of your warranty coverage, you will be responsible for paying for the parts, labor, and any service call fees associated with the repair.

**\*Note - Only Gravton service centers maintain warranty coverage. Repairs elsewhere void your warranty**

## Troubleshooting

| S.No | DTC Codes | Fault                                  |
|------|-----------|----------------------------------------|
| 1    | 12b0      | MCU Fault                              |
| 2    | 12b1      | MCU Fault                              |
| 3    | 12b2      | MCU Fault                              |
| 4    | 12b4      | MCU Fault                              |
| 5    | 12b5      | MCU Fault                              |
| 6    | 12b6      | MCU Fault                              |
| 7    | 12b7      | MCU Fault                              |
| 8    | 12C4      | Throttle fault                         |
| 9    | 12C6      | Controller over temperature protection |
| 10   | 12C7      | MCU Fault                              |
| 11   | 12d0      | MCU Fault                              |
| 12   | 12d1      | MCU Fault                              |
| 13   | 12d2      | Brake fault                            |
| 14   | 12b3      | Motor fault                            |
| 15   | 12C0      | Motor fault                            |
| 16   | 12C1      | Motor fault                            |
| 17   | 12C2      | Motor fault                            |
| 18   | 12C3      | Motor fault                            |
| 19   | 12C5      | Motor over temperature protection      |
| 20   | 12d3      | Motor fault                            |
| 21   | 12d4      | Motor fault                            |
| 22   | 12d5      | Motor fault                            |

**Gravton** has made troubleshooting simple for potential issues you might face. Identifying the cause of the problem makes assistance easier. Refer to the fault codes and contact service support team for guidance and corrective actions.

Always contact the **service support team** for any assistance with troubleshooting procedures. When a fault code is raised don't toggle with any settings. Call for assistance, GRAVTON is always a call away for your assistance.

## Fault Icons

| Icon                                                                              | Name                        |
|-----------------------------------------------------------------------------------|-----------------------------|
|  | MOTOR FAILURE ICON          |
|  | MOTOR OVER TEMPERATURE ICON |
|  | MIL ICON                    |

Always contact the **service support team** for any assistance with troubleshooting procedures. When a fault code is raised don't toggle with any settings. Call for assistance, GRAVTON is always a call away for your assistance.

### Caution

- 1.If the Motor Failure icon lights up on the dashboard, stop the vehicle safely as soon as possible. Continuing to operate the vehicle may cause further damage to the motor. Contact an authorized service center immediately for assistance.
- 2.Motor Over Temperature Icon: When the Motor Over Temperature icon is displayed, it indicates that the motor is overheating. Reduce speed and avoid high-stress driving conditions. If the icon persists, pull over safely and allow the motor to cool down. Seek service if the issue continues.
- 3.MIL Icon (Malfunction Indicator Light): The MIL icon signifies a potential issue with the vehicle's systems. If this icon illuminates, it's essential to have your vehicle inspected at an authorized service center to prevent further complications.

## Tips to keep your Quanta running

1. Fully charge your battery to 100% before use at least once every 10 days.
2. Avoid exposing the battery to extreme temperatures (both hot and cold) for prolonged periods.
3. Disconnect the charger promptly once the battery is fully charged to prevent overcharging.
4. Store the battery at an 85-90% charge level if it will not be used for an extended duration.
5. Be vigilant for any abnormal sounds coming from the brakes or vehicle, as these may indicate wear and tear. Promptly addressing these noises can help prevent further damage. If you notice any unusual sounds, immediately contact the nearest dealer or service center for inspection and repair.
6. Use only manufacturer-recommended chargers to ensure safe and efficient charging.
7. Regularly check for firmware updates to maintain battery efficiency.
8. Never drain the battery down to 0%. Ensure to recharge when it reaches 20-30% for better performance.
9. Ensure the charging port is clean and free from dust or debris to maintain proper connection.
10. Perform routine inspections of the battery casing for any signs of damage or wear.
11. Avoid using the battery in high-load conditions (e.g., steep inclines or overloading the vehicle) excessively, as it can cause unnecessary strain.
- 12. Switch off the MCB if the vehicle parked for more than 2 days to prevent battery drain and avoid inconvenience of vehicle not running.**

## Periodic Maintenance

|                                                                                           | Interval | Paid/Free | Free  | Free   | Paid   | Paid   | Paid  |
|-------------------------------------------------------------------------------------------|----------|-----------|-------|--------|--------|--------|-------|
| Item                                                                                      |          | KM        | 1000  | 2500   | 7500   | 12500  | 17500 |
|                                                                                           |          | Months    | 1.5   | 3.5    | 9.5    | 15.5   | 21.5  |
| Brake fluid (front and rear)                                                              |          | I         | I & T | I,C&T  | DR&R   | I&T    |       |
| Front and rear brake operation (pads)                                                     |          | I,C&R     | I,C&R | I,C&R  | I,C&R  | I,C&R  |       |
| Brake lever                                                                               |          | I&L       | I&L   | I&L    | I&L    | I&L    |       |
| Alloy wheels                                                                              |          | I         | I&L   | I&L    | I&L    | I&L    |       |
| Tire wear                                                                                 |          | I         | I     | I      | I&R    | I      |       |
| Axle nut                                                                                  |          | TI        | TI    | TI     | I&R    | TI     |       |
| Wheel bearing                                                                             |          | I         | I&C   | I&L    | I&R    | I,C&L  |       |
| Steering operation                                                                        |          | I         | I&L   | I&L    | I&L    | I&L    |       |
| Steering bearing                                                                          |          | I         | I&C   | I&L    | R&L    | I&L    |       |
| Chassis fasteners                                                                         |          | I         | I&TI  | I&TI   | I&TI   | I&R    |       |
| Center and side stand pivot                                                               |          | I&L       | I&L   | I,I&TI | I,I&TI | I,I&TI |       |
| Front fork                                                                                |          | I         | I     | I      | I&L    | I&R    |       |
| Rear suspension                                                                           |          | I         | I     | I      | I&L    | I&R    |       |
| Throttle/ throttle free play                                                              |          | I&TO      | I&TO  | I&TO   | I&TO   | I&TO   |       |
| Battery                                                                                   |          | I         | I     | I      | I      | I      |       |
| Motor and torque plate                                                                    |          | I&TO      | I&TO  | I&TO   | I&TO   | I&TO   |       |
| Controller                                                                                |          | I&TO      | I&TO  | I&TO   | I&TO   | I&TO   |       |
| Auxiliary wiring harness routing, tie bands and clamps                                    |          | I         | I     | I      | I      | I      |       |
| Charging operation                                                                        |          | I         | I     | I      | I      | I      |       |
| Electrical systems(Horn, flasher, head light, Tail light, Number plate lamp, indicators). |          | I         | I     | I      | I      | I      |       |

**R-Replace; I-Inspect; T-Tighten; C-Clean; DR-Drain; L-Lubricate; TI-Torque Inspect; To-Test Operation: R&R-Remove & Replace**

## Gravton Quanta S+ Warranty Terms

Gravton Motors is committed to delivering high-quality products, and the Quanta S+ reflects this standard. It comes with a comprehensive warranty that covers the motor, controller, and battery for **3 years or 30,000 km**, whichever comes first.

### Key Warranty Terms:

**Coverage:** Manufacturing defects will be repaired or replaced at no cost, including parts and labor. All replaced parts become Gravton Motors Pvt Ltd property.

**Motor Warranty:** The motor is covered for 36 months or 30,000 km under normal use and maintenance.

**Battery Warranty:** The battery is covered for 36 months or 30,000 km, ensuring quality performance.

Batteries are prone to depletion with their age and charging cycles. The range offered by new battery may be higher compared to a battery that is 1 one month old. Similarly, a 2-months-old battery will give comparatively lesser range than a 1-month-old battery and so on.

**Parts Replacement:** Replacement parts may be of the same or an alternative brand used in production, subject to Gravton's discretion.

This warranty ensures that your Quanta S+ receives the necessary support to maintain its performance and reliability throughout its lifecycle. All decisions regarding repair or replacement are at Gravton's discretion, maintaining the highest quality standards.

## Gravton Quanta S+ - Warranty Limitations

The warranty does not cover damage or defects resulting from:

### **1.Improper Use or Alterations:**

- Tampering with or removing serial numbers.
- Damage to the battery cover or attempts to forcibly open it.
- Short circuits resulting from misuse or improper testing.
- Uneven charging of multiple batteries within the vehicle.
- Warranty shall be void if the traction battery remains unused for an extended period(>18days), leading to damage or irreparable state due to the natural characteristics of batteries.
- If the vehicle is to remain idle for more than 5 days and less than 18 days, the battery must be charged to a minimum of 85% to maintain warranty validity.
- Swapping the battery with one from another vehicle.
- Use of chargers not recommended by the manufacturer.
- Vehicle must rest for a minimum of 3 hours daily.

### **2.Environmental Exposure:**

- Exposing the battery to radiation of heat above 50°C or direct sunlight, as well as natural wear and tear.
- Damage from submerging the battery or electrical systems, whether intentional or due to flooding, above the vehicle baseplate level, is not covered.

**3.Proprietary Parts:** Warranty claims on items like tires and tubes must be directed to the part manufacturer under their terms, as Gravton Motors Pvt Ltd is not liable for these items.

**4.Service Delays:** The company is not responsible for service delays due to factors beyond its control or from any of its Authorized main dealers.

**5.Consequential Damages:** Gravton Motors is not liable for any indirect, incidental, or consequential damages.

**6.Product Modifications:** The company reserves the right to make future product improvements without an obligation to apply them retroactively.

**7.Valid Claims:** Claims are valid only if the vehicle is taken to an Authorized Main Dealer, and the issue is reported to allow for inspection and assessment.

**8.Exclusive Warranty:** This is the sole warranty provided by Gravton Motors Pvt Ltd for Quanta S+. No employee, dealer or other person is authorized to modify or extend it.

## **Exclusions from Quanta S+ Warranty**

### **Normal Wear and Tear**

- Expected Wear: Parts like brake pads, discs, tires, rubber components, plastic component, belts, and seals wear down naturally and are not covered.
- Consumables: Items such as brake oil, suspension oil, grease, and fasteners are excluded.
- Routine Maintenance: Cleaning, polishing, alignment, and tire rotation are routine services, and parts replacement from wear is not included.

### **Warranty Voids**

- Improper Maintenance: Using incorrect oils or neglecting service voids the warranty.
- Misuse/Neglect: Damage from accidents, misuse, fire, or racing isn't covered.
- Unauthorized Modifications/Repairs: Modifications, non-genuine parts, or repairs at unauthorized locations void the warranty.

### **Use Limitations**

- Transfer: The warranty is non-transferable.
- Racing/Side Cars: Vehicles used in competitions or with sidecars are excluded.
- International Use: Coverage void if taken abroad.

### **Natural Calamities**

- Damage from floods, earthquakes, or storms is not covered.
- Proprietary Items
- Tires/Tubes: Warranty based on OEM terms.

### **Environmental Factors**

- Atmospheric Effects: Rust and paint peeling are covered for up to one year, subject to usage conditions.

### **Service Requirements**

- Missed Services: Failure to perform services at authorized dealer voids coverage.

### **Important Note to Customer**

- Warranty coverage begins once a defect is reported and officially documented.
- Gravton is not responsible for delays caused by unforeseen circumstances.
- Future updates may not be retrofitted to older models.

### **Warranty Scope**

- Final Authority: This document constitutes the complete warranty terms for your Quanta S+ model. No employee, dealer, or representative is authorized to modify or extend these terms.
- Decisions on Warranty: Gravton Motors Private Limited reserves final decision rights on all warranty matters.

**\*Note- This document defines the sole warranties offered by the company. No other warranties, express, implied, or statutory, apply. The warranties stated in this booklet are issued in Hyderabad, and any legal claims related to them will be settled solely by the courts in Hyderabad, which have exclusive jurisdiction.**

## Declaration

- This owner's manual contains valuable information about your vehicle, including operation, maintenance, and safety. Please retain it with the vehicle when selling or transferring ownership.
- This manual includes information, photos, and illustrations based on the latest product details at the time of printing. However, we may make improvements to the vehicle at any time, so some sections might not apply to your specific model.
- The pictured vehicle may showcase optional accessories not included in the standard equipment.
- All rights reserved. No part of this manual may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of the company.
- For your reference, the visuals throughout this manual showcase the version of Quanta S+ model.

## Owner's Responsibility

- Unlock your vehicle's potential! By following the owner's manual for care, use, and maintenance, you will maximize its performance and life span. Remember, for demanding conditions like dust, rough roads, heavy traffic, hot weather, or monsoons, consider more frequent maintenance to keep it running at its best.
- We keep track of your vehicle's maintenance, but having your own records ensures quick reference and documentation for important repairs or warranty claims.
- Protect your warranty coverage: Stick to authorized workshops for servicing, as outlined in the owner's manual.

## Service Records

| Service No. | Service Date | Odometer Reading | Service Type | Technician Name | Next Service Due | Remarks |
|-------------|--------------|------------------|--------------|-----------------|------------------|---------|
| 1           |              |                  | FREE         |                 |                  |         |
| 2           |              |                  | FREE         |                 |                  |         |
| 3           |              |                  | Paid         |                 |                  |         |
| 4           |              |                  | Paid         |                 |                  |         |
| 5           |              |                  | Paid         |                 |                  |         |

## Happy to Help

### Have a Query?

Feel free to call us and to our experts.

Phone: 7995252220

Email: [connect@gravtonmotors.com](mailto:connect@gravtonmotors.com)