

Battery Care Manual

1. Understanding Your Battery

Type: Most e-bikes use lithium-ion batteries due to their high energy density and long life.

Capacity: Battery capacity is measured in watt-hours (Wh), which affects the range of your e-bike.

Voltage: E-bike batteries typically come in 36V, 48V, or 52V configurations.

2. Charging Your Battery

Use the Right Charger: Always use the charger that came with your e-bike or one that is approved by the manufacturer.

Charge Regularly: Avoid letting the battery fully discharge before recharging. It's better to keep it between 20-80% charge.

Avoid Overcharging: Unplug the charger once the battery reaches full charge to prevent overcharging, which can reduce battery life.

Charge in a Safe Location: Charge the battery in a cool, dry place away from flammable materials.

3. Storage Tips

Temperature: Store the battery in a cool, dry place. Extreme temperatures (both hot and cold) can degrade battery life.

Partial Charge: If storing the battery for an extended period, keep it at around 50% charge.

Regular Checks: Check the battery periodically even if you're not using the e-bike. Recharge if the battery level drops too low.

4. Usage Guidelines

Avoid Deep Discharges: Try not to run the battery down to 0%. Recharge it when it reaches around 20% to avoid stressing the battery.

Weather Conditions: Avoid riding in extreme weather conditions, especially in very hot or very cold temperatures, as these can impact battery performance and lifespan.

Maintenance: Keep the battery and its contacts clean and dry. Wipe down with a dry cloth if necessary, but avoid using liquids.

5. Troubleshooting Common Issues

Reduced Range: If you notice a decrease in range, it may be due to an old battery or one that is not holding a charge well. Check for possible issues with the battery or consult a professional.

Charging Problems: If the battery is not charging properly, ensure the charger is functioning correctly and that the connections are clean and secure.

Battery Warning Lights: Pay attention to any warning lights or error codes on your e-bike's display. Refer to the e-bike manual or contact support for specific diagnostics.

6. Safety Precautions

Handling: Handle the battery with care. Avoid dropping or exposing it to strong impacts.

Inspection: Regularly inspect the battery for signs of damage or swelling. If you notice any issues, stop using the battery and consult a professional.

Disposal: Dispose of old or damaged batteries according to local regulations. Lithium-ion batteries should be recycled properly due to their chemical composition.

7. Manufacturer's Recommendations

Follow Guidelines: Always refer to the manufacturer's manual for specific instructions related to your e-bike model.

Warranty: Be aware of the warranty conditions related to the battery and adhere to them to ensure coverage in case of issues.

By following these guidelines, you can maximize the performance and lifespan of your e-bike battery. For any specific concerns or issues, consult the e-bike manufacturer or a qualified technician.

电动自行车电池保养手册

1. 了解您的电池

类型: 大多数电动自行车使用锂离子电池，因为它们具有高能量密度和长寿命。这些电池以其高效性和可靠性著称。

容量: 电池容量以瓦时 (Wh) 为单位衡量。这一指标表示电池能储存多少能量，直接影响电动自行车的续航里程。

电压: 电动自行车电池通常有 36V、48V 或 52V 配置。电压等级影响电动自行车的功率输出和整体性能。

2. 电池充电

使用正确的充电器: 始终使用随电动自行车提供的充电器或经制造商认证的充电器，以确保兼容性和安全性。

定期充电: 避免让电池完全放电后再充电。保持电池电量在 20%-80%之间对电池健康和寿命最为有利。

避免过度充电: 电池充满后立即拔掉充电器，以防过度充电，这可能会缩短电池寿命。

在安全地点充电：在凉爽、干燥的地方充电，远离易燃物质，以减少风险。

3. 存储技巧

温度：将电池存放在凉爽、干燥的环境中。极端的温度（过热或过冷）会对电池性能和寿命产生不良影响。

部分充电：如果电池需要长期存储，保持电池电量在大约 50%处，以维护其健康。

定期检查：即使不使用电动自行车，也要定期检查电池。如果电池电量降得太低，请重新充电，以防完全放电。

4. 使用指南

避免深度放电：尽量避免让电池完全放电。当电量降到约 20%时，尽快充电，以免对电池造成过度压力。

天气条件：避免在极端天气条件下骑行，尤其是非常热或非常冷的温度，这些条件会影响电池性能和寿命。

维护：保持电池及其接触点清洁干燥。如有必要，用干布擦拭，但避免使用可能损坏电池或接触点的液体。

5. 常见问题排查

续航减少：如果发现续航里程减少，可能是电池老化或无法有效保持电量。检查电池是否存在问题或咨询专业人士。

充电问题：如果电池无法正常充电，确保充电器工作正常且连接稳固、清洁。

电池警告灯：注意电动自行车显示屏上的警告灯或错误代码。参考电动自行车手册或联系支持以获取具体诊断。

6. 安全注意事项

操作：小心操作电池，避免摔落或受到强烈冲击，以免造成损坏。

检查：定期检查电池是否有损坏、膨胀或其他异常情况。如果发现
问题，立即停止使用并咨询专业人士。

处理：根据当地规定处理旧电池或损坏电池。锂离子电池应妥善回
收，以应对其化学成分对环境的潜在影响。

7. 制造商建议

遵循指南：始终参考制造商的手册，获取与您的电动自行车型号相
关的具体操作说明。遵循这些指南可确保电池的正确使用和维护。

保修：了解电池的保修条件，并遵守相关规定，以确保在出现问题
时享有保修服务。

通过遵循这些指南，您可以最大程度地提升电动自行车电池的性能
和寿命。如有任何具体问题，请咨询电动自行车制造商或专业技术
人员。