

User Manual
for
HAN-WIN Tech INNO-SAFETY® Lithium-ion Battery
911HWT1303ECW03



IMPORTANT

Before using this HAN-WIN Tech INNO-SAFETY® battery on Electrically Power Assisted Cycles (EPAC), please read this manual carefully and make sure you fully understand all the instructions and safety rules contained in this manual; and keep it for your future reference.

To avoid the risk of fire, electric shock and other hazards, and to prevent shortening the life span of the battery pack and the EPAC, please follow the instructions strictly when using this battery.

OPERATION INSTRUCTIONS

1. Please FULLY charge the battery pack before first-time use.
2. Mount the battery pack properly and safely on the EPAC's battery rack.
3. Remove the battery pack's key for fixation from lock while riding your EPAC to prevent loss of the key.



Charging Port

4. Turn on the battery pack by the SOC button or the power button on display and the indicator lights will illuminate in sequence, and then the EPAC is ready for use.
5. The battery pack will turn off automatically when the EPAC's Display (HMI) enters into the sleep mode for 1 minute. This deep sleep function saves power consumption.
6. Operating Temperature Range: During Discharging: 14°F – 122°F. During charging: 32°F – 104°F. Suggest using the battery pack at the temperature range of 50°F ~ 104°F. The running mileage will be less than normal if the battery pack is used out of this range.
7. If the EPAC is placed in an open area for a long period, the battery pack should be dismounted from the EPAC to avoid prolonged exposure to sun and rain.
8. Suggest storing the battery pack in a cool, dry and ventilated place with the temperature between -4°F ~ 77°F.
9. Turn off the battery by press SOC button and hold for 3 seconds until LEDs are flashing.

SPECIFICATIONS

Applications: Applicable to specified electric bicycles with a rated power of electric motor less than 720W (48V).

Rated Voltage	48V
Max. Voltage	54.6V
Discharge End Voltage	33V
Nominal Capacity	15Ah
Standard Charging Voltage	46.8V
Charging Current	3A

SAFETY INSTRUCTIONS AND WARNING

The following points should be noted when using this battery pack with your electric bicycle. If the below guidelines are not strictly followed, the running time will be reduced and the usage life of the battery pack and your electric bicycle may also be shortened.

1. If the battery is found overheating, leaking, deforming, giving out odd smell and smoke, stop using the battery pack immediately. Please put it in an open area away from people.
2. The battery pack is intended for use with the designed EPAC. Do not use the battery pack for other applications.
3. Use only the specified charger to charge the battery. It is prohibited to use any other charger not certified by the manufacturer for charging the battery pack to avoid damaging it or causing a hazard.
4. To prevent heat damage to the battery pack, do not place the battery pack over a radiator or any other heated object, particularly microwave ovens and high-pressure containers.
5. Keep the battery pack out of reach of children.
6. For extended storage of the battery pack, it is recommended that you charge the battery with 30%-50% capacity, i.e., with 2 LEDs on. Repeat the same procedure every 6 months. Completely discharged battery should be recharged immediately afterward.
7. If the battery pack or charger is found defective, please return for repair immediately. Please do not attempt to open the casing of the battery pack and the charger to avoid a hazard or damaging the parts inside. Warranty will be voided if the battery pack or the charger are found to have been opened.
8. Do not use gasoline and other chemical solvents to cleanse the casing of the battery pack or the charger. Use a soft cloth to wipe clean any water or dirt on the surface of the battery pack and the charger.
9. Do not place the battery pack in a humid environment or immerse in water.
10. Do not short-circuit the charging terminal and discharging terminal of the battery pack.
11. Do not place the battery pack upside down.
12. Do NOT pierce or prick the battery pack with a needle or other sharp object.
13. DO NOT crush the battery pack.

BATTERY CHARGING AND LED GUIDE

1. Plug the charger power cord into the wall outlet. GREEN LED will be shown, meaning that the charger is ready to charge. (Standby mode)
2. Turn on the battery by using the ON/OFF switch or the handlebar display unit (HMI) power button before plugging the charger into the battery.
3. Charge the battery by plugging the charger into the battery; RED LED will be shown on the charger, meaning that the battery is under charging.
4. When the battery is fully charged, the RED LED will shortly change to blinking GREEN, meaning that the battery is fully charged. Then the LED will stay solid GREEN, meaning the charger has changed back to Standby mode.

TROUBLESHOOTING BATTERY ISSUES

Press the SOC/wake-up button. When operating correctly, the SOC LED will flash from the leftmost indicator to the rightmost indicator and then flash back to the leftmost indicator. If LED's stay illuminated or do not illuminate at all, see below Error Condition guide

