

User Manual
for
HAN-WIN Tech INNO-Safety® Lithium Battery HWT-1004-7A W01



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 key.
4. Switch on the power of the battery pack 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 sleep mode for 1 minutes. This deep sleep function saves power consumption.
6. Operating Temperature Range: During Discharging: -10°C – 50°C. During charging: 0°C – 40°C. Suggest use the battery pack at the temperature range of 10°C ~ 40°C. The running mileage will be less than normal if the battery pack is used out of this range.
7. If the EPAC will be placed in an open area for a long period, the battery pack should be dismantled from the EPAC to avoid prolonged exposure to sun and rain.
8. Suggest to store the battery pack in a cool, dry and ventilated place with the temperature between -20°C ~ 25°C.
9. Use power ON/OFF to turn on/off battery pack.



SPECIFICATIONS

Applications: Applicable to specified electric bicycles with a rated power of electric motor less than 350W (36V).

Rated Voltage	36V
Max. Voltage	42V
Discharge End Voltage	30V
Nominal Capacity	11.6Ah
Standard Charging Voltage	41.5V
Charging Current	2A

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.

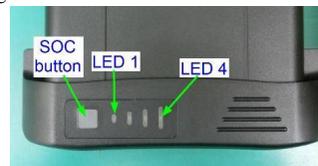
1. If the battery is found overheating, leaking, deforming, giving out odd smell and smoke, stop using the battery pack immediately. Put it in an open area away from people.
2. The battery pack is intended for use with the designed EPAC. Do not use the battery pack for other applications.
3. Use only 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 leave the battery pack exposed to the open environment for a long period of time in order to avoid rain and strong sunlight from damaging the battery pack.
10. Do not place the battery pack in a humid environment or immerse in water.
11. Do not short-circuit the charging terminal and discharging terminal of the battery pack.
12. Do not place battery pack upside down.
13. Do NOT pierce or prick battery pack with a needle or other sharp object.
14. DO NOT crush the battery pack.

BATTERY CHARGER LED GUIDE

1. Red LED on charger means battery charge is not full. Battery is under charging.
2. Blue LED on charger means battery is fully charged. If the LED is blue, but after unplugging the charger from the battery, the battery LED's do not illuminate when pressing SOC button then the battery needs to be returned to the manufacturer for repair.

TROUBLESHOOTING BATTERY ISSUES

Turn on ON-OFF switch. When operating correctly, 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.



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SIMPLE ERROR CONDITION and HANDLING PROCESS

