Folding size: 105x148.5mm

4. Do not open or loosen the battery cover without authorization ;

5. For batteries with questions, please contact the dealer in a timely manner to resolve them.

5. Some common factors that cause performance degradation and shortened lifespan of battery packs

a. Working for a long time at excessively high temperatures

b. Long term over discharge of battery pack

c. Loose generator belt

d. Adding additional electrical loads to the vehicle, abnormal output voltage of the generator regulator

e. Vehicle static leakage current is high

f. Long term suspension of vehicles

g. The battery pack is not firmly fixed on the vehicle

h. Compared to the original vehicle battery pack, the performance of the selected battery pack is lower

6. Warranty terms

Operating vehicles: 12-month warranty from the date of purchase.

Non operational vehicles: 36 months warranty from the date of purchase.

Due to the following unconventional and incorrect usage methods (including but not limited to the following) causing problems with the battery pack, it is not covered by the warranty:

1. Battery depletion caused by belt slippage, excessive starting, terminal contamination, additional loads, etc ;

2. Damage to the battery pack caused by charging voltage being too low or too high due to issues with the charger ;

3. Inability to use due to improper installation or collision

4. The battery pack is not compatible with the vehicle ;

5. Problems caused by unauthorized modification, disassembly, etc. of the battery pack ;

6. The battery has exceeded the warranty period ;

7. Battery damage caused by vehicle malfunction ;

8. Battery appearance cracking, damage, terminal melting, etc.

7. Production date

The production date of this series of batteries is marked on the QR code of the product sticker. The scanning information has the following meanings. The product naming and coding rules are detailed below, with a total of 14 digits:

1. Product name: occupies 2 bytes, 1st to 2nd bytes ; Represent the first two letters / numbers of the product model, such as H6 ;

2. Customer code: occupying 1 byte, represented by letters, neutral customer code is the number 0 ;

3. Manufacturer code: occupies 1 byte, Holy code, English code should be z ;

4. Production date: occupies 6 bytes ; Take the last two digits based on the actual production year ; For batteries produced in 2024, the year code is 24, months 1-12, dates 1-31 ;

5. Production line serial number: occupies 4 bytes ; According to the manufacturer's production date, for the Nth group of this type of product, the number is N (for example, for the 1st group of a certain model, N is 0001) ;

inspection

检验合格

Product Warranty Card

Owner's Name	
Contact Information	
City of residence	Vehicle purpose
vehicle license plate	Model year
Vehicle VIN code	mileage
Install store	Installation date
Battery Model	Product Code

To protect the environment, please hand over used batteries to distributors or qualified recycling institutions for disposal.

圣码特能源
ZMARTEC

Product Instructions and Warranty Certificate

Car start stop sodium ion battery

圣码特能源
ZMARTEC

Intelligent sodium battery for car start stop

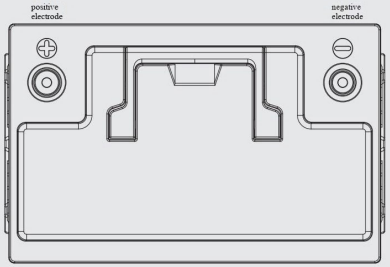
Product Instructions and Warranty Certificate

flammable materials | No open flames | Keep out of reach of children | Read the instruction manual carefully | No Drop | recycling

Battery Introduction

Welcome to purchase our company's product. This product is a new type of sodium battery start stop power supply developed by our company. In order to use this product safely and reasonably, please read this manual carefully before use.This product is designed for 12V powered vehicles and can be used for vehicle starting and low-voltage electrical power supply on board. it has voltage temperature detection function, overcurrent protection function, overvoltage charging protection function, and active balancing function.

Wiring Diagram



Product specifications

model	H5-N12260N	H6-N12310N	H7-N12350N	H8-N12390N	H9-N12430N
Standard voltage (V)	12	12	12	12	12
CCA cold start current (A)	650	780	870	970	1070
Power capacity (Wh)	312	374.4	421.2	468	516
Shell material	30%PC+ 70%ABS	30%PC+ 70%ABS	30%PC+ 70%ABS	30%PC+ 70%ABS	30%PC+ 70%ABS
Positive and negative polarity	Left negative, right positive (-, +)	Left negative, right positive (-, +)	Left negative, right positive (-, +)	Left negative, right positive (-, +)	Left negative, right positive (- +
Product dimensions: length x width x height (mm)	242x175x189	280x176x185	315x176x187	354x176x187	398x176x188
packaging Length x Width x Height (mm)	247x180x194	285x181x190	320x181x192	359x181x192	403x181x193
Net weight (kg)	5.5	6	7	7.8	8.2

Product Operation Instructions

Failure to follow the following operating instructions may result in product malfunction and damage

1. If you are unsure about which type of battery should be installed in your vehicle, please consult the dealer of my product for relevant information.If you are unsure how to install the battery, you can contact our product distributor and authorized service network for professional technical support.

2. Before installing the battery, the vehicle's engine should be turned off, and if necessary, refer to the vehicle's user manual.When installing the battery, first connect the positive pole of the battery to the positive pole of the car generator, and then connect the negative pole of the battery to the negative pole of the generator.

3. Before installing the battery, ensure that the surface of the terminal post is clean.The wiring should be firm and reliable.It is strictly prohibited to strike the end post to prevent it from loosening.Caution should be exercised during battery installation to prevent metal tools such as wrenches from short circuiting the positive and negative terminals, which could cause damage to the battery and pose safety hazards.

4. Please firmly place the battery flat on the battery holder using either upper or lower fixation.During the process of tightening the nut, on the one hand, it is necessary to avoid loosening the battery due to insufficient tightening, and on the other hand, it is also necessary to prevent excessive tightening force from causing damage to the battery due to excessive force.

1. Precautions

1. The start stop battery should not bear weight or be compressed, otherwise it may cause battery damage.

2. Do not use other unqualified or mismatched chargers to charge the starter battery.

3. Avoid placing the product near heat sources, open flames, flammable and explosive materials, which may cause product fires and explosions.

4. The nominal voltage platform of the original car generator sold must be 12V series.

5. Do not immerse the product in water or other liquids.

6. During the transportation process, it is necessary to keep the box stable and avoid stepping, squeezing, impacting, or placing it too high.

7. It is prohibited to dismantle the battery box without authorization, cut and modify the interior of the product.

8. Do not short-circuit the positive and negative terminals of the start stop battery to avoid unnecessary losses.

Please use insulation and shock-absorbing materials for the outer packaging to avoid sudden collisions and squeezing during transportation, which may cause damage to the battery.

2. Storage

1. When storing sodium batteries, ensure that the battery has at least 50 % charge and store it in a dry and ventilated environment at 20-40 □ , avoiding contact with corrosive substances and keeping it away from high-temperature open flames.

2. During storage, it is recommended to fully charge the battery every 90 days and ensure that the open circuit voltage of the battery is ≥ 11V before charging

3. The batteries should be placed according to the stacking layer limit, and the stacking layer limit varies for different models. It is recommended not to exceed 5 layers.When stacking batteries, the stacking method should ensure stability, and it is strictly prohibited to stack large batteries on top of small batteries to prevent accidental drops of batteries and personal injury.

4. Please handle sodium batteries with care during transportation and loading. The batteries should not be inverted or placed horizontally, and should not be subjected to any mechanical impact or heavy pressure.

3. Charging

1. When removing the battery from the vehicle, be sure to disconnect the negative cable first to avoid a short circuit.Before charging, it is necessary to ensure that the sodium battery casing is not cracked, the terminals are not damaged, the charging area has good ventilation conditions, and is away from open flames.

2. This series of batteries uses constant current charging method, with a charger voltage limit of 15.8V and a current limit of 20A. Remember not to use chargers that exceed the voltage and current range for charging to avoid damaging the sodium battery.

3. The fully charged state of a sodium battery is when the open circuit voltage is measured to be ≥ 15V after being charged and left to stand for 30 minutes.

4. Maintenance and upkeep

1. Please check the health status of the battery pack during car maintenance to avoid accidental breakdowns.For battery depletion caused by various reasons during use or storage, timely charging should be carried out.

To ensure the performance of the battery pack, it is necessary to regularly check whether the terminal pole connections of the battery pack are firm and whether the surface of the terminal pole is clean.If looseness is found, tighten the nut in a timely manner.If the connection is severely corroded, it needs to be cleaned in a timely manner to ensure good contact.Due to the increasing number of automotive appliances, battery packs are still needed to provide power protection when parking.For batteries that have already been installed and used, if the car is not in use for a long time, it is recommended to start the car for 10-15 minutes every month to help charge the battery pack and avoid excessive consumption of the battery pack.