



Instruction Manual Carbon Monoxide Alarm

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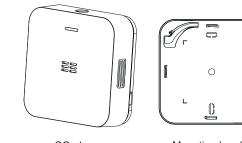
ZSS-HM-CO-A-MS-DB26

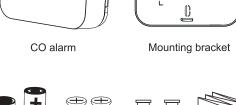
IMPORTANT! PLEASE READ CAREFULLY AND SAVE. This user's manual contains important information about your CO Alarm's operation. If you are installing this CO Alarm for use by others, you must leave this manual—or a copy of it—with the end user.

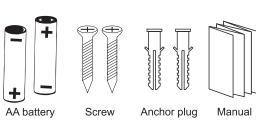


PACKING LIST

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 Bitte scannen Sie den QR-Code, um das deutsche Handbuch, das Installationsvideo und die Funktionseinführung zu erhalten

• Escanee el código QR para obtener el manual en español, el video de instalación y la introducción de la

Veuillez scanner le code QR pour obtenir le manuel er français, la vidéo d'installation et l'introduction des

 Отсканируйте QR-код. чтобы получить руководство на русском языке, видео по установке и описание

 Scansionare il codice QR per ottenere il manuale in italiano, il video di installazione e la guida alle funzionalita. Video di installazione e funzionalita

· Leia o código QR para obter o manual em português, o vídeo de instalação e a introdução das funções

 Zeskanuj kod QR, aby uzyskać instrukcje, filmy instalacyjne i funkcje

من فضلك قم بمسح رمز الاستجابة السريعه(QR-code), للحصول على.

دليل المستخدم باللغة العربية وفيديو التثبيت ووصف للوظائف





DECLARATION OF CONFORMITY

Hereby, WENZHOU NOVA NEW ENERGY CO., LTD declares that the radio equipment type ZSS-HM-CO-A is in compliance with Directive 2014/53/EU, 2014/30/EU, 2011/65/EU. The full text of the EU declaration of conformity is available at the following internet address: https://www.moestech.com/blogs/news/zss-hm-co-a

.TECHNICAL SPECIFICATIONS AND **FEATURES**

DC 2x1.5V Alkaline AA LR6 (NECTIUM)

TECHNICAL SPECIFICATIONS

Sensor lifespan	max.10 years
Temperature	-10°C _~ +40°C
Humidity	0%~95%RH non-condensing
Sound level	≽85dB at 3m
Alarm output	Visual and audible indication
Warm-up period	Approx.100 seconds
Mounting method	Wall mounting or ceiling mounting
Conform to	EN 50291-1:2018
Battery life	5 years
Frequency Band	2.400-2.483 GHz
Maximum Radio Transmit Power	<+10dBm

1.2 FEATURES Advanced electrochemical CO sensor technology Digital temperature compensation technology Low battery warning

 Anti-RF Interference Hush mode:silence an unwanted alarm

IMPORTANT: The apparatus should be installed by a competent person. What you should know about carbon monoxide(CO)

Carbon monoxide(CO) is a dangerous poison. It is a colourless, odourless and tasteless gas. CO gas is generated by combustion of carbonaceous materials, namely, when not enough oxygen is available. This hazard can occur, for example, in open fireplaces. boilers, stoves and automobile exhaust. This toxin is bound in the blood where it prevents the transport of oxygen, which can cause death by suffocation. Everyone is susceptible but experts agree that unborn babies, pregnant women, senior citiizens and people with heart or espiratory problems are especially vulnerable. Initial carbon monoxide poisoning symptoms are similar to the flu with no fever and can include dizziness, severe headaches, nausea, vomiting and disorientation. if symptoms of carbon monoxide poisoning are experi-

fatigue (often described as "Flu-like" symptoms). 2.Medium Exposure : Severe throbbing headag drowsiness, confusion, fast heat rate. 3.Extreme Exposure: Unconsciousness, convulsions,

Note that there are other hazards where the CO detector will not trigger an alarm, such as gas leaks, fires or explosions. A CO detector is no substitute for smoke, fire, heat or other gas detectors! This device is intended for use within private housing. It is suitable neither for commercial or industrial applications nor for use on recreational craft or commercial vessels. This detector is intended to protect persons from the acute effects of carbon monoxide. It can not provide people with special medical properties complete security. If in doubt you should consult a physician. Gas appliances/equipment should be installed by trained personnel only. Get the devices/equipment in good mechanical condition and have them checked regularly. The installation of the CO detector should not be used as a substitute for proper installation, use and maintenance of fuel-fired facilities.

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Danger CO Levels

Concentration of CO in Air (ppm=parts per million)	APPROXIMATE INHALATION TIME AND SYMPTOMS DEVELOPED
50ppm	The maximum allowable concentration for continuous exposure for healthy adults in any 8-hour period.
200ppm	Slight headache,fatigue,dizziness,nausea after 2-3 hours.
400ppm	Frontal headaches within 1-2 hours,life threatening after 3 hours.
800ppm	Dizziness,nausea and convulsions within 45 minutes.Unconsciousness within 2 hours. Death within 2-3 hours.
1600ppm	Headache, dizziness and nausea within 20 minutes. Death within 1 hour.
3200ppm	Headache, dizziness and nausea within 5-10 minutes. Death within 25-30 minutes.
6400ppm	Headache, dizziness and nausea within 1-2 minutes. Death within 10-15 minutes.
12800ppm	Death within 1-3 minutes.

ALARM CONDITIONS

CARBON MONOXIDE CONCENTRATION AND RESPONSE TIME

CO concentration	No alarm within	Alarm at the lates
30 ppm	120 minutes	_
50 ppm	60 minutes	90 minutes
100 ppm	10 minutes	40 minutes
300 ppm	_	3 minutes
O IMPORTAN	T CAFETY IN	ICODMATION.

3. IMPORTANT SAFETY INFORMATION

↑ WARNING!

PLEASE READ AND SAVE THESE INSTRUCTIONS. IMPORTANTI

- This Carbon Monoxide (CO) Alarm is a sophisticated instrument that has been carefully designed and tested to detect CO build-up in residential environments.
- CO cannot be seen, smelled or tasted and can be fatal. The build-up of CO in the blood is called the carboxyhaemoglobin level and interferes with the body's ability to supply itself with oxygen. Depending on the concentration, carbon monoxide can kill in minutes.
- The most common sources of CO are malfunctioning, or misuse of gas appliances used for heating and cooking, vehicles engines, electric generators, blocked chimneys or

flues, portable fuel burning heaters, fireplaces, fuel powered tools and operating a grill in an enclosed space.

- Indications of CO poisoning include symptoms similar to the flu, but with no fever. Other symptoms include dizziness, fatigue, weakness, headache, nausea, vomiting, sleepiness and confusion. Everyone is susceptible to the danger of CO. but unborn babies, small children, pregnant women, senior citizens and people with heart or respiratory problems may experience symptoms sooner. Each year a qualified technician should inspect and clean your heating system, vents, chimney, and flues.
- Dangers, Warnings, and Cautions alert you to important operating instructions or to potentially hazardous situations. Pay special attention to these items.
- THIS IS NOT A SMOKE ALARM! This CO Alarm is designed to detect carbon monoxide from ANY source of combustion. It is NOT designed to detect smoke, fire, or any other gas.
- It is NOT designed for marine or RV use. CAUTION! ● This CO Alarm will only indicate the presence of carbon

monoxide gas at the sensor. Carbon monoxide gas may be

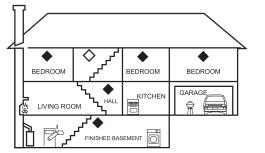
■This CO Alarm is approved for use in single-family residences.

present in other areas. /I\ WARNING!

- Always check your home for a potential problem after any alarm. Failure to do so can result in injury or death.
- NEVER ignore any alarm. If there is any question as to the cause of an alarm it should be assumed that the alarm is due to dangerous levels of carbon monoxide and the dwelling should be evacuated. See section 9 WHAT TO DO IF THE ALARM SOUNDS for more information on how to respond to an alarm. Failure to respond can result in injury or death. Test this Carbon Monoxide Alarm once a week. If it ever fails
- to test correctly, have it replaced immediately! If the CO Alarm is not working properly, it cannot alert you to a ■ This product is intended for use in ordinary indoor locations of
- family living units. Individuals with medical conditions that may make them more sensitive to carbon monoxide may consider using warning devices which provide audible and visual signals for carbon monoxide concentrations under 30 ppm. For additional information on carbon monoxide and your medical condition contact your physician.

5. WHERE TO LOCATE

- 5.1 A CO Alarm should be centrally located outside of each separate sleeping area in the immediate vicinity of the bedrooms. For added protection, install additional CO Alarms in each separate bedroom, and on every level of your home.
- 5.2 If your bedroom hallway is longer than 40 feet (12 metres), install a CO Alarm at BOTH ends of the
- 5.3 In a single-level home: Install at least one CO Alarm near or within each separate sleeping area
- For added protection, install an additional CO Alarm at least 20 feet (6 metres), away from the furnace or fuel burning heat source.
- 5.4 In a multi-level home—(same as above plus): ■ Install at least one CO Alarm near or within each separate sleeping area.
- For added protection, install at least one CO Alarm on each level of the home. If you have a basement, install that CO Alarm at the top of the basement stairs.

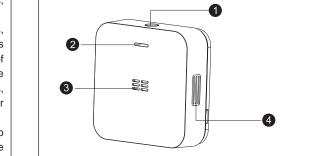


- CO alarms for limited protection
- Additional CO alarms for better coverage
- For added protection, install an additional CO Alarm at least 20 feet (6 metres) away from the furnace or fuel burning heat source.

6. LOCATIONS TO AVOID

IMPORTANT: Improper location can affect the sensitive electronic components in this alarm. To avoid causing damage to the unit, to provide optimum performance, and to prevent unnecessary nuisance alarms, DO NOT locate CO alarms :

4. HOW YOUR CO ALARM WORKS



NOTE: "DISPLAY" item only covers the model with digital display

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enced, seek medical attention immediately, CO poisoning can be determined by a caarboxyhemoglobin test.

The following symptoms are related to CARBON MONOXIDE POISONING and should be discussed with ALL members of the household: 1.Mild Exposure: Slight headache, nausea, vomiting,

cardiorespiratory failure, death.

/!\ Important information

including appropriate ventilation and exhaust systems.

extremely dusty, dirty or greasy areas.

1 Test/Hush/Networking button 2 LED Indicator

CONDITION	OPERATION	LED	Buzzer
Power up and Warm-up	Install 2*AA battery correctly to power on the alarm. Warm-up lasts approx 100 seconds. When completed, LEDs all turn off.	The red/yellow/green LED flashes alternately for approx. 100 seconds.	One short beep
Stand-by condition	After warm-up period, the alarm turns to standby condition.	The green LED flashes every 30 seconds.	None
Test condition	Press and release Test/Hush/Networking Button to check whether CO alarm works normally.	Red LED flashes four times.	The alarm sound four beeps.
Alarm condition	The presence of carbon monoxide.	Red LED flashes quickly (four flashes every 5 seconds)	beeps quickly (four beeps every 5 seconds)
Low battery	None	Yellow LED flashes every 30 seconds.	One beep every 30 seconds
Sensor failure	None	Yellow LED flashes twice every 30 seconds.	Two beeps every 30 seconds
End of life	None	Yellow LED flashes twice every 30 seconds.	One long beep and one short beep every 30 seconds
Hush condition	Silence an unwanted alarm, push and release the Test/Hush/ Networking button, it will enter hush mode.	RED LED flashes quickly (four flashes every 5 seconds)	None(Hush condition duration: about 10 minutes)
	When the CO alarm is alarming as low battery, push the Test/Hush/Networking button, it will enter hush mode.	Yellow LED flashes every 30 seconds.	None(Hush condition duration: about 12 hours)

ttention: If remote silencing function is available, any remote silencing feature shall only be used in line of sight of the CO alarm. Hushing: When the CO Alarm is sounding an alarm after a suspected false alarm, you can press the Test/Hush button and the CO alarm will remain silent for 10 minutes. While the Alarm is silenced, it will continue to monitor the air for CO. The alarm will sound again, if CO level still at dangerous level. The Hush Feature is intended to temporarily silence the Alarm horn, if will not correct a CO problem.

1 In garages, kitchens, furnace rooms, or in any

6.2 Where combustion particles are produced. Combustion particles form when something burns. Areas to avoid include poorly ventilated kitchens, garages, and furnace rooms. Keep units at least 20 feet (6 metres) from the sources of combustion particles (stove, furnace, water heater, space heater) if possible. In areas where a 20-foot (6 metres) distance is not possible — in modular, mobile, or smaller homes, for example — it is recommended the CO Alarm be placed as far from these fuel-burning sources as possible. The placement recommendations are intended to keep these Alarms at a reasonable distance from a fuelburning source, and thus reduce "unwanted" alarms. Unwanted alarms can occur if a CO Alarm is placed directly next to a fuel-burning source. Ventilate these areas as much as possible.

6.3 Within 5 feet (1.5 metres) of any cooking appliance. 6.4 In extremely humid areas. This Alarm should be at least 10 feet (3 metres) from a bath or shower, sauna, humidifier, vaporizer, dishwasher, laundry room, utility

- room or other source of high humidity. 5 In areas where temperature is colder than -10°C or hotter than 40°C. These areas include nonairconditioned crawl spaces, unfinished attics. uninsulated or poorly insulated ceilings, porches, and
- 6.6 In turbulent air, like near ceiling fans, heat vents, air conditioners, fresh air returns, or open windows. Blowing air may prevent CO from reaching the

.7 In direct sunlight.

∠! Caution∶

6.8 When scouring or stripping a wooden floor, painting, wallpapering or using adhesive or aerosol, you should remove the carbon monoxide alarm and keep it in a safe place to prevent damaging the sensor.

.9 High concentrations of the following substances can damage the sensor, which often results in a false alarm: methane, propane, isopropyl butane, ethylene, ethanol, isopropyl alcohol, benzene, toluene, ethylacetate, hydrogen, hydrogen sulfate and sulfur dioxide. Also aerosol sprays, alcoholic products, paint, solvents, adhesive, hair spray, aftershave, perfume and certain cleaning agents can cause damage.

— 06 **—** -08-

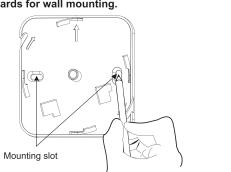
7.HOW TO INSTALL

7.1 MOUNTING

For wall mounting or ceiling mounting, follow these steps (1) Place the mounting bracket againt the mounting surface(wall or ceiling), and mark the mounting surface with a pencil through two slots of the bracket.

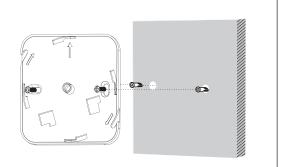
(2) Drill two holes with a 3/16 inches (5mm)drill on the two

Note: The arrow marked in the bracket shall be placed upwards for wall mounting



Note: Keep CO alarms away from getting plaster dust when you drill the holes.

(3) Insert the anchor plugs and screw the mounting bracket to the chosen position. **DO NOT OVERTIGHTEN THE SCREWS**, this will distort the mounting bracket.



(4) After the mounting bracket is secured to the wall, insert two new AA batteries into the alarm's battery compartment correctly, and then place the screwdriver into the disassemble hole and meanwhile rotate the alarm into the mounting bracket in the direction from " 6 " to " 6 "until it snaps into place.

— 09 **—**

To replace the batteries in this CO alarm, please perform

(1) Place the screwdriver into the disassemble hole.

(2) Replace the used batteries with 2 new AA batteries,

about 5 seconds later, the device will be powered on,

and beep one sound, which indicates the batteries are

replaced correctly, then rotate the device back into

IMPORTANT: The battery should be installed in correct

positive and negative electrode as indicated inside the

Constant exposures to high or lowhumidity may reduce

battery life. After installing or changing the batteries, test

— 10 —

the alarm to make sure it works normally.

meanwhile rotate the device out of the mounting

bracket in the direction from " A " to " A ", as show

7.2 BATTERY REPLACEMENT

the following steps:

mounting bracket.

battery compartment

MOES APP is upgraded as much more compatibility than Tuya Smart/Smart Life APP, functional well for scene ontrolled by Siri, widget and scene recommendations as the fully new customized service.

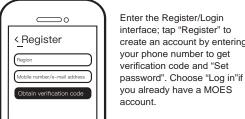
(Note:Tuya Smart/Smart Life APP still works,but MOES APP

. Download MOES App on App store or scan the QR code

2.Registration or Log in

is highly recommended)

3.PREPARATION FOR USE



password". Choose "Log in"if vou already have a MOES account.

9. STEPS FOR CONNECTING THE APP TO

Ensure the device is within the effective signal coverage of your smart ZigBee gateway for successful connection into the ZigBee gateway in MOES APP

Method One Scan the QR code to configure the network guide.

1.Make sure your MOES APP has successfully connected to a Zigbee gateway.



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1. MAINTENANCE

beeps every 30 seconds. distributor.

10. TROUBLESHOOTING

Scan this QR code 1 Make sure your MOES APP has successfully connected

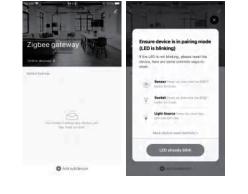


to a Zigbee gateway

No SIM 🗢

2.Enter the gateway.Please follow the picture below to finish as "Add subdevice→LED already blink,and the connecting will take about 10-120 secondsto complete depending on your network condition.

3.press the networking button three times in quick succession, and green LED indicator will start to flash, The device enters the distribution network state.



- 12 -

To keep your alarm in good working order, you must follow these steps: 11.1 Test the alarm once a week by pressing the

Test button. 11.2 Vacuum the alarm cover once a month to remove accumulated dust.

4.Add the device successfully, you can edit the name of

5.Click"Done"to enter the device page to enjoy your smart

20.00.00 Device set shock completed 69-46.52 Many Princ

STATES DOYCE SHIP CHARLES COMPANIED STATES

Luiding is respice

Press Test button, CO If no problem with batteries

alarm shows no response. | and CO alarm still shows no

Yellow LED flashes and the alarm sounds one REPLACE IT IMMEDIATELY!

Yellow LED flashes twice | Sensor or unit malfunction.

and the alarm sounds two Please contact your local

— 13 —

Please check whether

local distributor.

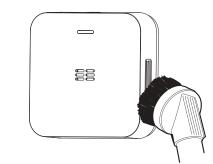
batteries are properly installed

response, please contact your

life with home automation.

to CO Alero

he device to enter the device page by click "Done"



11.3 Never use detergents or solvents to clean the alarm Chemicals can permanently damage or temporarily contaminate the sensor. **11.4** Avoid spraying air fresheners, hair spray, paint or other

aerosols near the alarm. 11.5 Do not paint the unit. Paint will seal the vents and interfere with proper sensor operation.

12. WHAT TO DO IF THE ALARM SOUNDS

12.1 Call your emergency services (fire dept.).

in its normal condition

12.2 Immediately move to fresh air - outdoors or by an open door/window. Do a head count to check that all persons are accounted for. Do not re-enter the premises nor move away from the open door/window until the emergency services responders have arrived, the

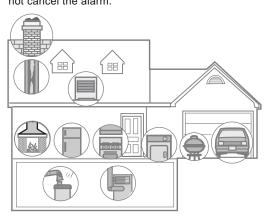
premises have been aired out, and your alarm remains

12.3 After following steps 9.1-9.2, if your alarm reactivates within a 24 hour period, repeat steps 9.1-9.2 and call a qualified appliance technician to investigate for sources of CO from fuel burning equipment and appliances, and inspect for proper operation of this equipment.

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12.4 If problems are identified during this inspection have the equipment serviced immediately. Note any combustion equipment not inspected by the technician and consult the manufacturer's instructions, or contact the manufacturer's directly, for more information about CO safety and this equipment. Make sure that motor vehicles are not, and have not been, operating in an attached garage or adjacent to the residence.

12.4 Do not press the Test Button, the Test Button can not cancel the alarm.



13. LIMITATIONS OF CO ALARMS 12.1 CO alarms may not waken all individuals.

If children or others do not readily waken to the sound of the CO alarm, or if there are infants or family members with mobility limitations, make sure that someone is assigned to assist them in the event of an

12.2 This CO Alarm will not sense carbon monoxide that does not reach the sensor. CO may be present in other areas. Doors or other obstructions may affect the rate at which CO reaches the CO Alarm. For this reason, if bedroom doors are usually closed at night. we recommend you install a CO Alarm in each bedroom and in the hallway between them.

12.3 CO Alarms may not sense CO on another level of the home. For example, a CO Alarm on the second level, near the bedrooms, may not sense CO in the basement. For this reason, one CO Alarm may not give adequate warning. Complete coverage is recommended. Place CO Alarms on each level of the home.

12.4 CO Alarms may not be heard.

hearing impaired.

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The Alarm horn loudness is above 85 dB at 3.28 feet(

metre). However, if the CO Alarm is installed outside

the bedroom, it may not wake up a sound sleeper or

one who has recently used drugs or has been drinking

alcoholic beverages. This is especially true if the door is

closed or only partly open. Even persons who are awake

may not hear the alarm horn if the sound is blocked by

distance or closed doors. Noise from traffic, stereo,

radio, television, air conditioner, or other appliances

may also prevent alert persons from hearing the alarm

horn. This CO Alarm is not intended for people who are

Although fire is a source of carbon monoxide, this CO

Alarm does not sense smoke or fire. This CO Alarm

senses CO that may be escaping unnoticed from

malfunctioning furnaces, appliances, or other sources.

Early warning of fire requires the installation of smoke

Though these CO Alarms warn against increasing CO

levels, we do not warrant or imply in any way that

they will protect lives from CO poisoning. Homeowners

Although the CO Alarm and all of its parts have passed

many stringent tests and are designed to be as reliable

as possible, any of these parts could fail at any time.

Like all other electronic devices. CO Alarms have

limitations. They can only detect CO that reaches their

sensors. They may not give early warning to rising CO

levels if the CO is coming from a remote part of the

Thank you for your trust and support to our products, we

will provide you with a two-year worry-free after-sales

please consult the distributor or contact us.

service (freight is not included), please do not alter this

warranty service card, to safeguard your legitimate rights

and interests. If you need service or have any questions,

Product quality problems occur within 24 months from

the date of receipt, please prepare the product and the

packaging, applying for after-sales maintenance in the

damaged due to personal reasons, a certain amount of

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site or store where you purchase; If the product is

Therefore, you must test your CO Alarm weekly.

and renters must still insure their lives.

12.7 CO Alarms have a limited life.

12.8 CO Alarms are not foolproof.

home, away from the CO Alarm.

14. SERVICE

12.6 CO Alarms are not a substitute for life insurance.

12.5CO Alarms are not a substitute for a smoke alarm.

The CO alarm should be installed by a competent This apparatus is designed to protect individuals from

> practitioner. — 17 —

maintenance fee shall be charged for repair.

repaired, modified or have missing parts

15. RECYCLING INFORMATION

disposed of separately from unsorted

municipal waste. To protect your health

and the environment, this equipment must

points for electrical and electronic equipment

beyond the service term

interface is damaged

your local authority.

recycling bin.

✓!\ Warning:

∕!∖ Caution∶

cause damage to the CO alarm.

We have the right to refuse to provide warranty service if:

1. Products with damaged appearance, missing LOGO or

2. Products that are disassembled, injured, privately

3. The circuit is burned or the data cable or power

4. Products damaged by foreign matter intrusion

(including but not limited to various forms of fluid, sand,

All products marked with the symbol for separate

collection of waste electrical and electronic equipmen

(WEEE Directive 2012/19 / EU) must be

be disposed of at designated collection

designated by the government or local authorities

potential negative consequences for the environment

and human health. To find out where these collection

points are and how they work, contact the installer or

Except the battery replacement, it's forbidden for the

user to disassemble the CO alarmprivately which may

The CO alarm is for indoor use only, and it is not

designed for use in a recreational vehicle or mobile

the acute effects of carbon monoxide exposure. It will

not fully safeguard individuals with specific medical

conditions. If in doubt, please consult a medical

*If the battery is built-in inside the product,open

Correct disposal and recycling will help prevent

*Always throw used batteries to the battery

the product and remove the battery.

6. WARRANTY CARD

Dealer Information

Customer's Name

Customer Phone

Product Information Product Name Product Type_ Purchase date_ Warranty Period

Customer Address_

Maintenance Records							
Failure date	Cause Of Issue	Fault Content	Principal				

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If you have any other need, please do not hesitate to

contact us first, we will try to meet your demand. ¶ @moessmart ► MOES.Official © @moes_smart

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ECIREP E-CrossStu-GmbH

Made in China Manufacturer: WENZHOU NOVA NEW ENERGY CO.,LTD Address: Power Science and Technology Innovation Center, NO.238, Wei 11 Road, Yueqing Economic

Development Zone, Yueqing, Zhejiang, China Tel: +86-577-57186815 After-sale Service: service@moeshouse.com

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