KEMI MOTO

motorcycle battery
Model:MB80B

User Manual

EN / A02 SKU: F0412-00106-BK / F0412-00107-BK / F0412-00108-BK / F0412-00109-BK

Thank you for using our products, we highly recommend reading the user manual carefully before use, and keep the user manual for future

Safe use at −18℃ to +60℃

Pure copper terminal

Corrosion resistance, high electrical conductivity

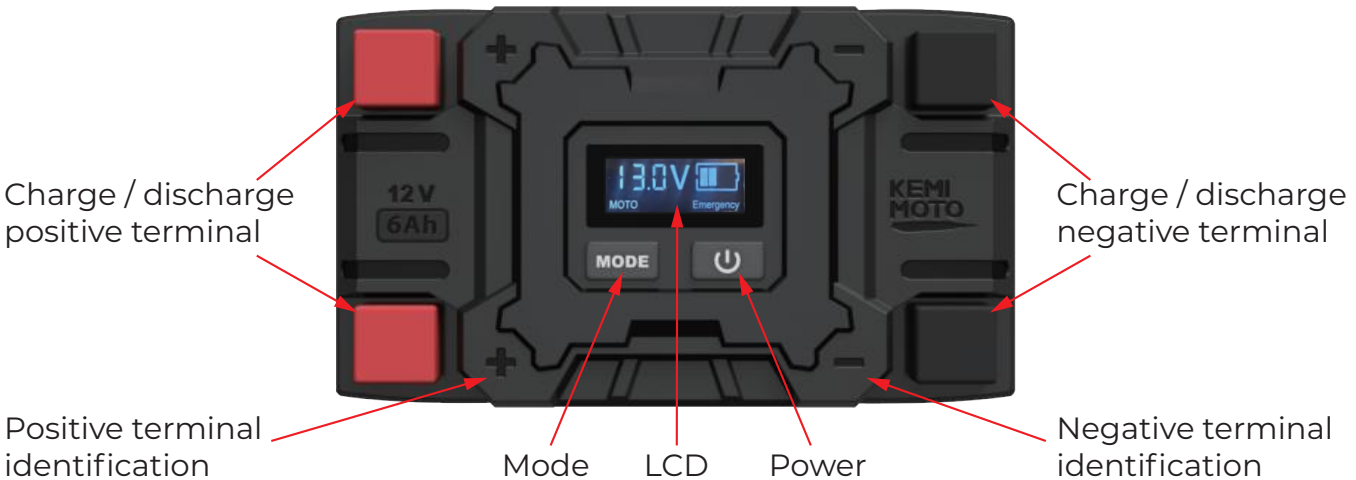
High hardness ABS casing

High Insulation,temperature resistance performance

A.Products Description:

Panel Description

(Note: Illustration for reference only. Batteries may have different positive and negative directions depending on the battery model and capacity. Please carefully check.**)**



Power: Click to wake up the battery LCD screen; press and hold for 3 seconds to turn on/off.

MODE: Battery mode switching: Moto/Normal.

Normal: When the battery level is <5%, the battery will shut down to prevent damage caused by over-discharge.

MOTO: Moto mode is specifically designed for motorcycle users.
When the motorcycle is parked for an extended period and the battery level is <30%, the battery will automatically stop discharging and enter a low-power protection state, consuming only one-third of the normal power. You can restart the battery by connecting via mobile Bluetooth or pressing the On/Off key. When the battery level is <5%, the battery will shut down to prevent damage caused by over-discharge.

DISPLAY PANEL:

1 **Battery Level Display:** The battery icon shows 100%, 80%, 60%, 40%. When below 20%, the battery outline flashes.

2 **Real-time Voltage**

3 **Battery Mode:** Moto/Normal.

4 **Emergency:** Displays an emergency state when the battery level is <30%. When the battery level exceeds 40% after charging, the emergency symbol will automatically disappear.

First use of this product, in order to have a longer battery life and better use effect, please charge it before use.

1.Check Power

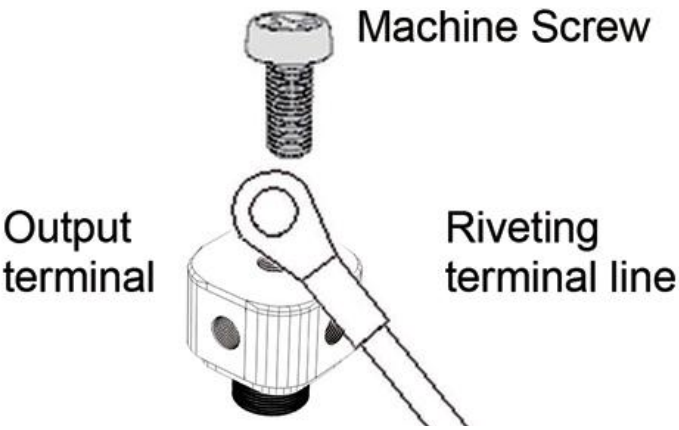
If power is less than 30%, please chargein time before use.

Power Display Function Introduction:

Click the power button to view the current voltage, battery level, mode, and emergency status on the LCD screen.

2.Installation Diagram

Please pay attention to the positive and negative poles when installing, and refer to above picture.



B.Application Description:

Replace various motorcycle brand batteries.

--Such as Yamaha, Ducati, Suzuki, Honda, Aprilia, Guzzi, Kawasaki, Piaggio, Benelli, Peugeot, Bajaj, BMW, TM, Harley-Davidson, and more motorcycle brand batteries.

--It can also be used for small agricultural machinery, small industrial tools, and small ships for starting ignition.

--Please carefully check the battery model or size of your electronic device before purchasing, or contact us via email. Thank you!

C. App Download Methods:

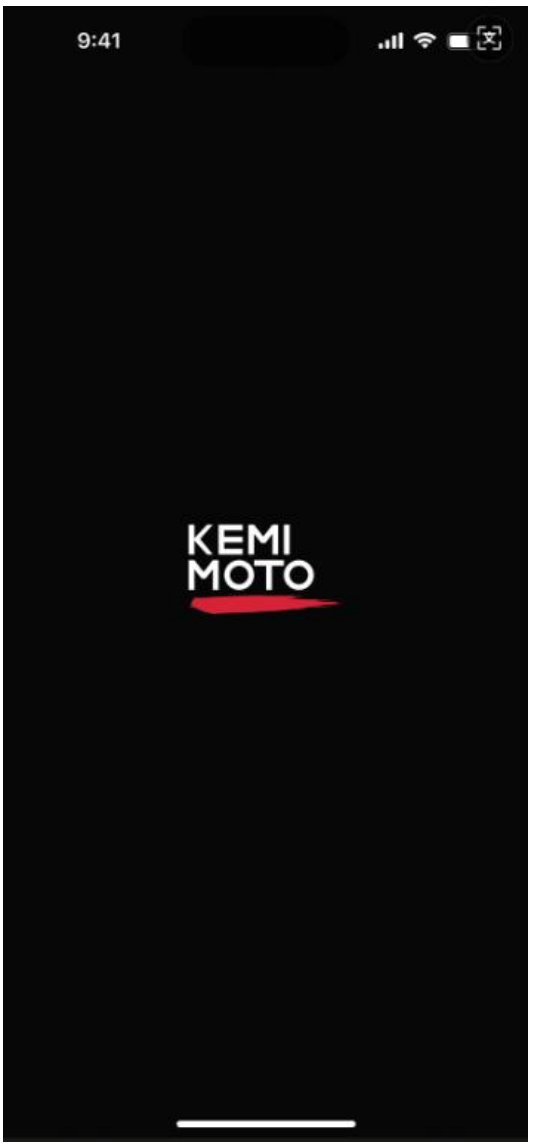
1.Scan the QR code on the right or scan the QR code on the battery's back label to download.

2.Search for the keyword "Kemimoto" in your phone's app store to download.

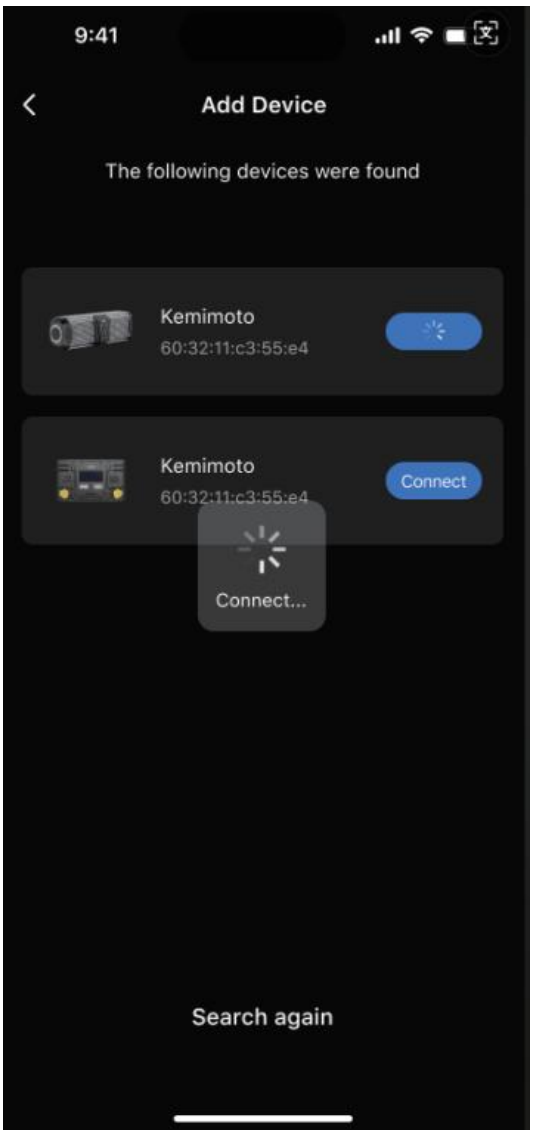
APP store

D. App Connection

1.Log in to the Kemimoto app.

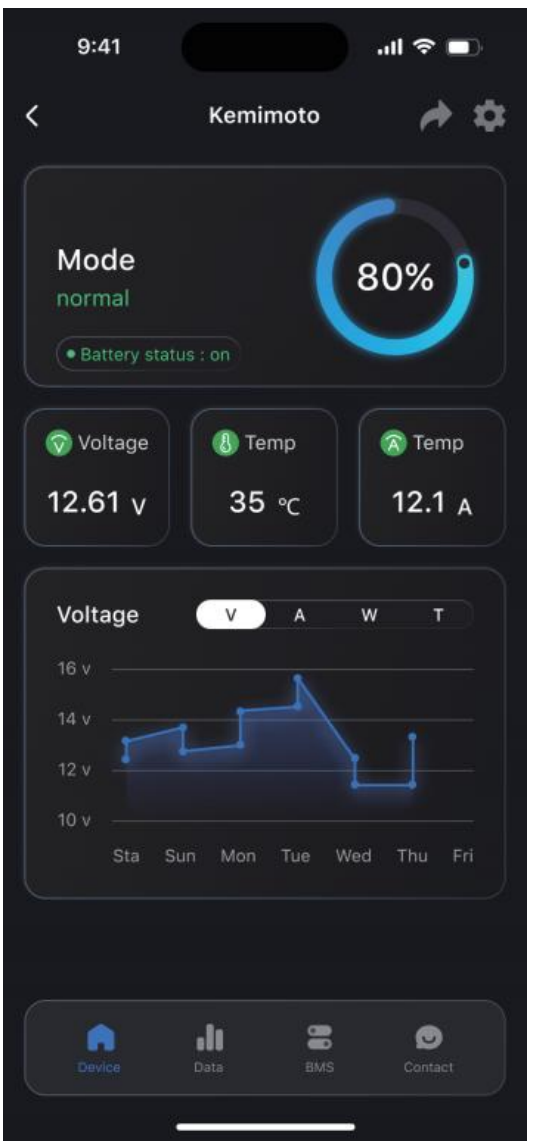


2.The device will automatically search for a list of products within Bluetooth range. Please find the battery in the product list and click on connect.



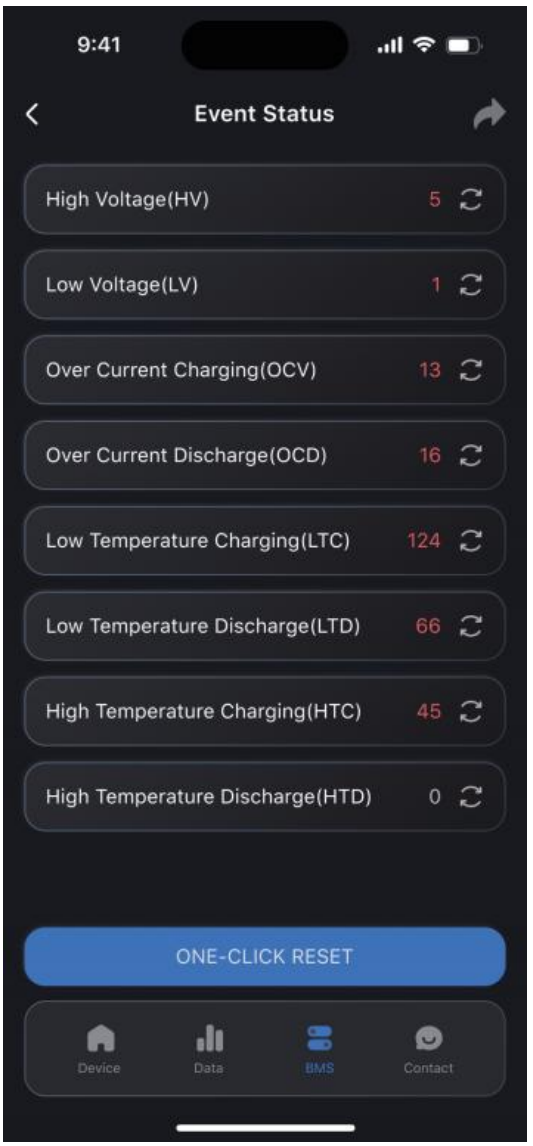
E. Function Description

1.Monitor battery status in real time, allowing you to determine whether the battery requires maintenance or repair.

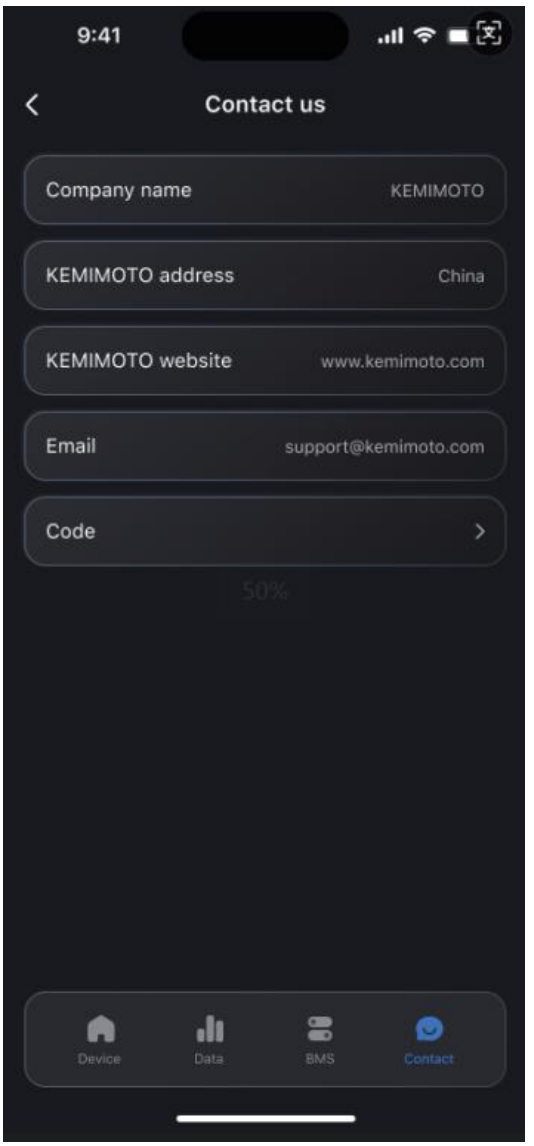


2.Query 90-day historical battery data, enabling you to monitor battery conditions during winter or extended periods of inactivity.

3.BMS Monitoring: Record BMS protection events and logs, helping you adjust usage scenarios or habits.

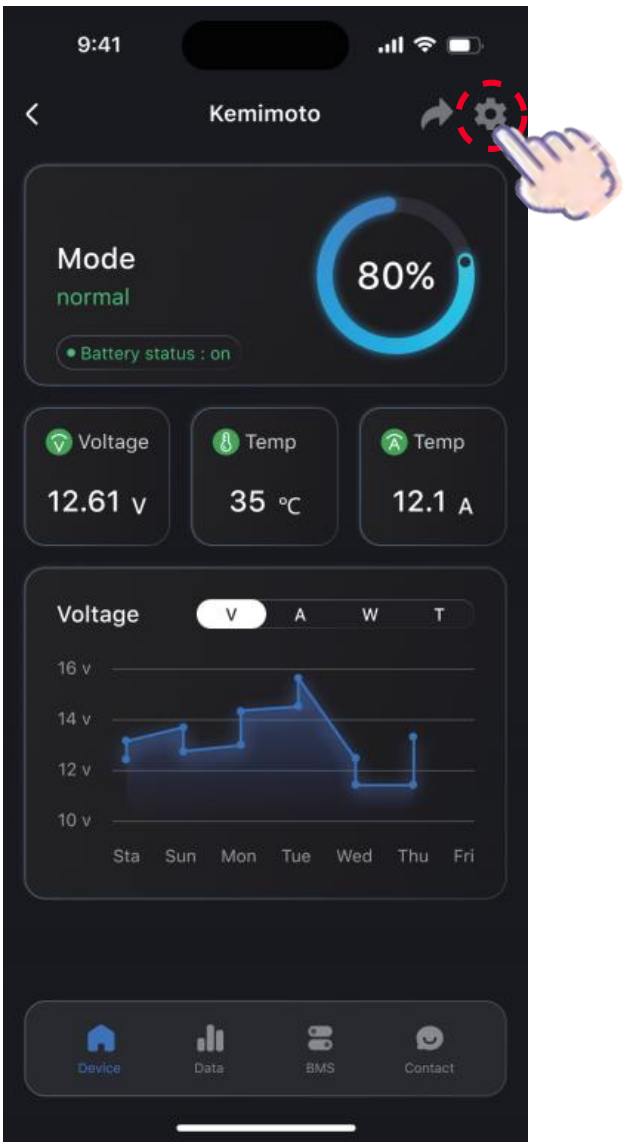


4.Company Information.

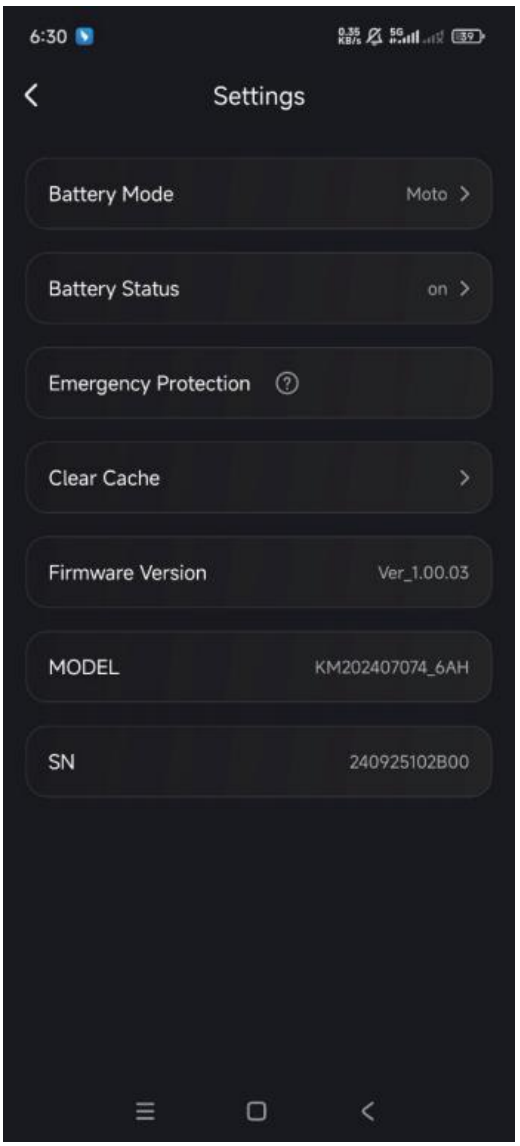


F. Battery Settings

1.Tap on "Battery Settings".



2.Configure battery mode, power on/off, check app version number, view battery model, and check SN number.



J. Series parameter description:

Model	MB25B	MB35B	MB60B	MB70B
Nominal capacity	2.5Ah	3.5Ah	6Ah	7Ah
Nominal voltage	12.8V	12.8V	12.8V	12.8V
Battery type	LiFePo4	LiFePo4	LiFePo4	LiFePo4
Maximum pulse ignition current CA	200A	280A	480A	560A
Rated charging current	2.5A	3.5A	6A	7A
Charge protection cut-off voltage	14.5V	14.5V	14.5V	14.5V
Discharge protection cut-off voltage	8V	8V	8V	8V
Dimention(mm)	113*70*85	113*70*130	150*87*93	134*75*133
Life cycle	More than 3000 times(100% DOD)			
Application	Used for small Scooters,Racing Motorcycles,etc.			
Operature range	Charging:0°Cto60°C			
	Discharging:-18°Cto60°℃			
Bluetooth technology	Yes	Yes	Yes	Yes
Charger Power Range	7.3W-73W	10.22W-100.2W	17.52W-175.2W	20.44W-204.4W
Charger Current Range	0.5A-5A	0.7A-7A	1.2A-12A	1.4A-14A
Maximum Charging Voltage	14.6V	14.6V	14.6V	14.6V

Model	MB80B	MB120B	MB160B
Nominal capacity	8Ah	12Ah	16Ah
Nominal voltage	12V	12.8V	12.8V
Battery type	LiFePo4	LiFePo4	LiFePo4
Maximum pulse ignition current CA	640A	960A	1280A
Rated charging current	8A	12A	16A
Charge protection cut-off voltage	14.5V	14.5V	14.5V
Discharge protection cut-off voltage	8V	8V	8V
Dimention(mm)	150*87*130mm	175*87*155	166*126*175
Life cycle	More than 3000 times(100% DOD)		
Application	Used for small Scooters,Racing Motorcycles,etc.		
Operature range	Charging:0°Cto60°C		
	Discharging:-18°Cto60°℃		
Bluetooth technology	Yes	Yes	Yes
Charger Power Range	23.36W-233.6W	35.04W-350.4W	46.72W-467.2W
Charger Current Range	1.6A-16A	2.4A-24A	3.2A-32A
Maximum Charging Voltage	14.6V	14.6V	14.6V

Product Use Cautionary Statement and Disclosure

Kemimoto will not be responsible for trouble occurred by handling outside of the precautions in this specification.

Note(1): The battery would be at an over-discharged state by its self-discharge characteristics in case the cell is not used for long time. In order to prevent over-discharging, the cell shall be charged (At least once every three months) periodically to maintain between 12.8V and13.2V.

Note(2): Kemimoto will not be responsible for trouble occurred by miss-matching electric circuit, battery pack, RC model and charger.

Note(3): If battery products without protection circuit device, the need to use with the function of protection balance charger to charge.

Note(4): Kemimoto will not be responsible for any problems caused beyond warranty period of battery.

Note(5): Charging current should be less than maximum charge current specified in the Product Specification.Charging shall be done by voltage less than that specified inthe Product Specification

Note(6): The battery shall be discharged at less than the maximum discharge current specified in the Product Specification

Note(7)： Kemimoto will be exempt from warrantee to any defect cells during assemblingafter acceptance.

USE WARNINGS!

The battery will fire, explode or leak if not strictly observing this item described below.

● Do not immerse the battery in water or seawater, and keep the cell in a cool dry environment during stands by period.

● Do not mix using the battery with one-off battery (such as dry batteryl) or different performance together.

● Do not dispose the battery in fire or heat.and do not use or leave the cell near a heat source such as fire or heater

● Do not reverse the positive (+) and negative (-) terminals.When re-charging , use the cell charger specifically for that purpose

● Do not connect the battery to an electrical outlet.

● Do not short-circuit the battery by directly connecting the positive (+) and negative (-) terminals with metal objects such as wire.

● Do not transport or store the battery together with metal objects such as necklaces, hairpins etc.

● Do not to use violent conduct to disassembling and damage the battery

CAUTIONS!

● Do not use or leave the battery at very high temperature (for example, at strong direct sunlight or in a vehicle in extremely hot weather). Otherwise, it can overheat or fire or its performance will be degenerate and its service life will be shortened.

● Do not use it in a location where static electricity is rich, otherwise, the safety devices may be damaged, causing a harmful situation.

● In case the electrolyte getting into the eyes due to the leakage of battery, do not rub the eyes! Rinse the eyes with clean running water, and seek medical attention immediately. Otherwise, it may injure eyes or cause a loss of sight.

● If the battery gives off an odor, generates heat, becomes discolored or deformed, or in any way appear abnormal during use, recharging or storage, immediately remove it from the device or battery charger and place it in a contained vessel such as a metal box.

● In case the battery terminals are contaminated, clean the terminals with a dry cloth before use. Otherwise power failure or charge failure may occur due to the poor connection between the battery and the electronic circuitry of the instrument.

● Be aware discarded batteries may cause fire, 100%discharged the battery and tape the battery terminals to insulate them before disposal.

FCC STATEMENT :

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.
Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B
digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled
environment. This equipment should be installed and operated with minimum distance
20cm between the radiator & your body.

The warranty period of the battery is 1 year

If the battery is unusual within this period, Kemimoto will replace a new battery for free aslong as it is clear that the problem is the failure of material or manufacturing process andthe cell is not used abnormally.

KEMI MOTO

Manufacturer: www.kemimoto.com
Designed by Kemimoto Group
Kemimoto All Rights Reserved,Inf ringement must be prosecuted.

Thank you for choose kemimoto's product!
Your feedback and suggestion about our product and service is highly appreciated