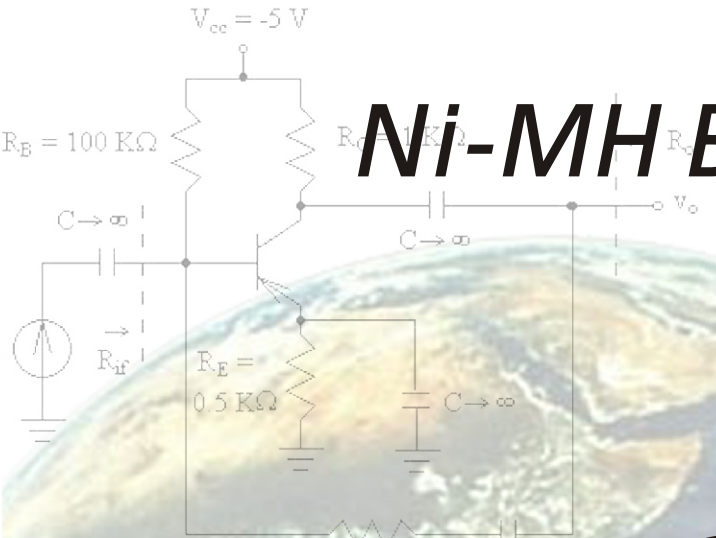
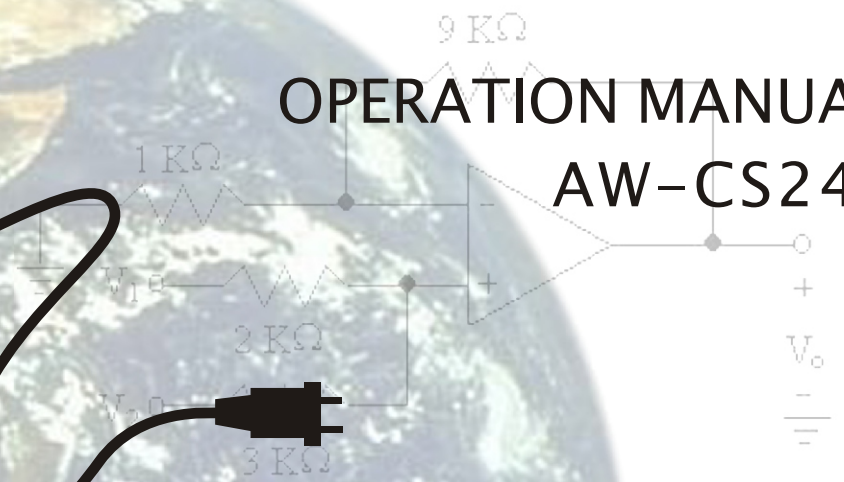


# Ni-MH Battery Charger

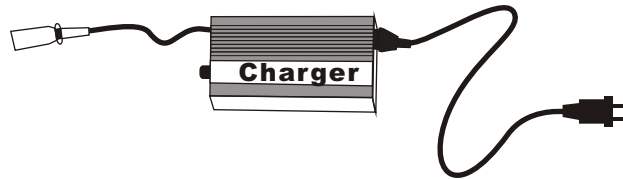


OPERATION MANUAL  
AW-CS24I



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# Product Features



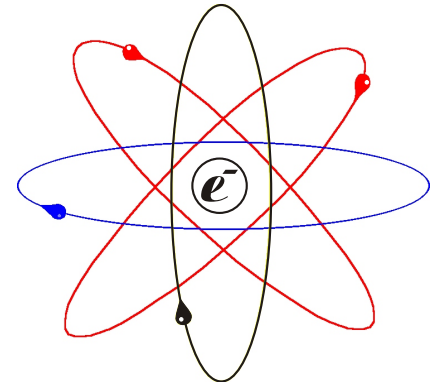
## ***Quick and easy charging***

The advanced IC circuit design provides a strong and stable current output, and can maximize the charging effect when used with a high power rechargeable Ni-MH battery. Depending on the battery capacity, 2~3 hours are usually needed for charging.

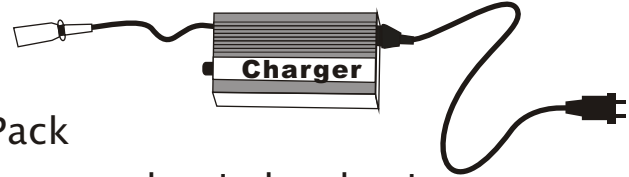


## ***Safe and stable charging quality***

Our professional R&D team develops the Multi-Protection Loop and, with the most strict QA procedure, provides users with a safe operational environment. You can always feel at ease with our products.



# Specifications



**Application :** AWIN Ni-MH Battery Pack

**Input Voltage :** AC 110V/220V with manual switch selections

**Output Voltage :** 17 35V

**Output Current :** 4A  $\pm 5\%$

**Pulse Charge Current :** 0.3A $\pm 20\%$

**Over-Voltage Protection :** Cut off power upon exceeding 39V

**Over-Current Protection :** Cut off power upon exceeding 6A

**Short Circuit Protection :** Fuse Protection/Cutoff output

**High Temp. Protection :** Cut off power upon battery exceeding 60

**Low Temp. Protection :** Cut off power upon battery below 0

**Appearance Dimensions :** 185mmx95mmx53mm

**Weights :** 0.8 kg

The actual specifications depend on the provided product. We reserve the right to change the specifications, fittings and appearance of the product.

# Charge Method

## 1. Attentions before use

### A. Instructions Before Charging



#### Attentions



Check the followings before the charging begins:

Only use the charger exclusively designed for the battery to avoid any danger.

The charger with appropriate specifications shall be selected based on the specifications of the battery used.

The charger is used only for the specified battery. Don't apply the charger to other batteries.

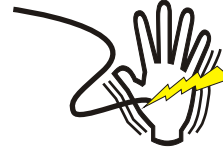
Before starting the charging, make sure that the power voltage is in conformity to the voltage set for the charger.

Before starting the charging, make sure that the plug of the charger is well connected to the socket of the battery compartment.

When charging the battery, don't share the loop with other appliances to avoid overload and injury.

Don't pull the power cable before or after the charging to avoid short circuit.

## B. Instructions When Charging



 **Keep the charger away from fire**

*Don't charge the battery in any area where fire might occur, such as smoking area, high temperature area, the area with bad air ventilation, etc.  
Always charge the battery in the area having good air ventilation and no exposure in the sun.*

 **Guard against Electric Shock**

*Don't charge the battery in the area exposing to the rain or affected by humidity.  
Protect the charger from being penetrated by water; otherwise, the circuit may fail.*

 **Don't pull the power cable or the connector between the charger and the battery pack directly.**

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## C. Instructions After Charging

**Check the followings after the battery pack is charged**

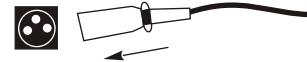
*Switch off the power and remove the power connector after the charging is completed.  
Repeated charging shall be avoided after the battery pack is charged (the indicator turning to green), because it may shorten the service life of the battery.  
Store the charger at a place where children are separated from reaching.*


# Charge Method

## 2. Charging Steps


① Before charging, make sure that the power supply switch of both the electric bike and the charger are off.

② Take out the battery pack and connect tightly the charging plug of the charger to the charging socket of the battery pack.




③  Select 110V or 220V AC Power for the charger.

 Turn on the power switch of the charger.

④  Light indicators on charger:

Red light	➔	Power ON
Yellow light	➔	Charging
Green light	➔	Fully charged
Yellow blinks	➔	Incorrect connection or abnormality being detected.

⑤  Charging time:  
The charging may be completed within 2~3 hours.  
Always unplug the power cable after fully charging.

# Trouble Shooting

Charging		
Fault	Possible Causes	Measures
Charger indicator doesn't light	Charger and battery pack	1. Check all connections. 2. If it doesn't work, contact with us or our authorized service centers for repair.
Abnormal noise, odor, smoke from charger	Charger circuit fails	1. Stop charging and remove the power cable immediately. 2. Contact with us or our authorized service centers for repair.
Charger temp. too high	Charger circuit fails	1. Stop charging and remove the power cable immediately. 2. Contact with us or our authorized service centers for repair.
Charge time too short	Charger circuit fails or Battery fails	1. Stop charging and remove the power cable immediately. 2. Contact with us or our authorized service centers for repair.
Battery pack temp. too high	Battery fails	1. Stop charging and remove the power cable immediately. 2. Contact with us or our authorized service centers for repair.

## Note

Stop riding the electric scooter when any abnormality is found during the riding. Contact us at 886-3-597-3688 or e-mail to [tsengww@ms54.hinet.net](mailto:tsengww@ms54.hinet.net) any one of our authorized service centers.

Don't dismantle or adjust the charger without acquiring the prior consent of us.



## **AWIN TECHNOLOGY CORP.**

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