



Powerology

Neon Smart Battery Charging Case

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Product Overview

The Powerology Neon Smart Battery Charging Case provides a compact solution for charging and storing compatible AA and AAA rechargeable batteries. Eight independent charging slots and an LED display support convenient battery management at home or while traveling.



Package Contents and Features

1. Neon Smart Battery Charging Case × 1
2. AA rechargeable batteries × 8
3. Eight independent battery charging slots
4. AA and AAA rechargeable battery compatibility
5. LED display with individual slot indicators
6. Compact charging and storage design
7. Efficient charging

Safety Instructions

Warning:

1. For indoor, dry use only — keep the charging case and cable away from water and moisture.
2. Use a certified USB power source and cable compatible with the charging case's rated input.
3. Charge only compatible rechargeable AA or AAA Ni-MH, Ni-Cd, or 1.5 V lithium-ion batteries.
4. Never attempt to charge alkaline, zinc-carbon, disposable lithium, or other non-rechargeable batteries.
5. Insert each battery with the correct polarity marked in the charging slot.
6. Do not charge batteries that are damaged, swollen, corroded, leaking, or deformed.
7. Do not use the charging case if its housing, USB port, or cable is damaged.
8. Do not cover the charging case while in use or operate it near flammable materials or heat sources.
9. Do not disassemble, modify, crush, puncture, or short-circuit the charging case or batteries.
10. Keep the charging case and batteries out of the reach of children.
11. Do not operate or store the charging case or batteries outside the temperature limits specified by their manufacturers.
12. If charging stops or a fault condition is detected, disconnect USB power and remove the affected battery; do not resume charging until the cause has been corrected.
13. Disconnect power immediately and stop using the affected battery or charging case pending replacement or service if abnormal heating recurs or if odor, smoke, leakage, deformation, or repeated thermal shutdown occurs.
14. Do not place rechargeable batteries in fire or incinerate them.
15. If a slot shows an abnormal indication or charging stops, disconnect USB power, remove the affected battery, and do not reuse it if the condition recurs.

16. Do not continue charging after a protection or thermal event; allow the charging case and battery to cool, then inspect the battery orientation and contacts before reinserting it.
17. Inspect the USB cable before use; do not use it if the insulation is frayed, crushed, cut, or sharply bent, or if conductors are exposed.

Attention:

1. Place the charging case on a stable, hard, well-ventilated surface during use.
2. Disconnect the USB cable when charging is complete or the charging case is not in use.
3. Remove batteries by gripping them securely; do not use metal tools.
4. Clean the charging case with a soft, dry cloth after disconnecting it from power.
5. Store the charging case and batteries in a cool, dry place away from direct sunlight.
6. Recycle used batteries according to local regulations; do not dispose of them with household waste.
7. Disconnect the USB cable by gripping the connector body; do not pull on the cable.
8. For long-term storage, maintain rechargeable lithium-ion batteries according to the battery manufacturer's specified storage charge level and periodic recharge interval.
9. Before use or storage, check the temperature range marked on the charging case and each supplied battery; do not use or store either product outside its marked range.
10. For long-term storage, follow the storage and periodic-recharge instructions marked on each supplied battery, regardless of battery chemistry.



Operating Instructions

1. Preparing the Charging Case

Place the charging case on a stable, dry surface.

Rotate the upper section to the unlocked position and open the case.

Check that the battery slots and terminals are clean and free from debris.

Confirm that each battery is one of the supported rechargeable AA or AAA types.

2. Inserting Batteries

Observe the polarity markings in each charging slot.

Insert each rechargeable battery with its positive and negative terminals correctly aligned.

Use between one and eight compatible batteries at a time.

Make sure every battery is seated securely before charging.

3. Connecting Power

Connect a USB-C charging cable to the USB-C port.

Connect the other end to a suitable 5V/2A power source.

Check the LED display to confirm that the inserted batteries have been detected.

Leave the case on a stable surface while charging.

4. Monitoring Charging

Use the numbered LED display positions to identify the status of the corresponding battery slots.

If a slot is not indicated, disconnect power and check the battery orientation and terminal contact.

Continue charging until the display indicates that charging is complete.

Disconnect the USB-C cable before removing the batteries.

5. Removing and Storing Batteries

Disconnect the charging case from its power source.

Open the case and remove each battery without using excessive force.

Keep unused batteries in the case with the lid closed.

Rotate the upper section to the locked position when carrying or storing the case.

Specifications

Charging Case Material	ABS
Battery Compatibility	1-8 Pieces (1.2V AA/AAA Ni-MH/Ni-CD), (1.5V AA/AAA Lithium-ion)
Charging Case Input	5V/2A
Battery Voltage	1.5V
Battery Power	3600mWh
Charging Current	300mA Per Battery Slot
Charging Case Weight	389g
Included Battery Lifespan	≤ 500 Cycles
Charging Case Size	74 × 74 × 90.94mm
Charging Interface	USB-C
Model Number	PWAD04

Care and Maintenance

1. Routine Care:

Disconnect the charging case from power before cleaning it.

Wipe the exterior with a soft, dry cloth.

Keep the charging slots and battery terminals clean and dry.

Do not use abrasive cleaners, solvents, or liquids on the case.

Remove batteries before storing the case for an extended period.

Store the case closed in a clean, dry location.

Do not force batteries into a slot or use batteries with damaged coverings.

Frequently Asked Questions

1. How many batteries can be charged at once?

The charging case accepts between one and eight compatible rechargeable batteries.

2. Which battery sizes are compatible?

The case supports compatible AA and AAA rechargeable batteries.

3. Which rechargeable battery chemistries are supported?

Supported batteries include 1.2V AA/AAA Ni-MH or Ni-Cd batteries and 1.5V AA/AAA lithium-ion batteries.

4. Can different numbers of batteries be charged?

Yes. Insert any quantity from one to eight, ensuring that every battery is compatible and correctly oriented.

5. What does the numbered display represent?

Each number corresponds to one of the eight battery charging slots and allows its status to be monitored.

6. How should the charging case be cleaned?

Disconnect power, remove the batteries and wipe the case with a soft, dry cloth. Do not apply liquids directly to the charging slots.

Troubleshooting

Problem	Likely Cause	Solution
The display does not illuminate	The charging case is not receiving power	Check the USB-C connection and connect the case to a suitable 5V/2A power source.
A battery slot is not detected	The battery is inserted incorrectly or is not making terminal contact	Disconnect power, remove the battery and reinsert it according to the polarity markings.
A battery does not charge	The battery type is unsupported or the battery is damaged	Confirm that the battery is a supported rechargeable AA or AAA type and discontinue use of damaged batteries.
Charging stops unexpectedly	The cable or power connection is loose	Reconnect the USB-C cable securely at both ends and check the power source.
Charging is unusually slow	The power source does not provide the specified input	Use a suitable power source that provides the specified 5V/2A input.
One battery finishes before the others	Inserted batteries have different capacities or charge levels	Monitor each numbered slot independently and remove batteries only after charging is complete.

Problem	Likely Cause	Solution
The battery does not fit easily	The battery is misaligned or incompatible	Do not force it into the slot; verify the size, type and orientation before reinserting it.
Charging remains unreliable after reinserting a battery	The slot or battery terminals may be dirty	Disconnect power and clean the contacts carefully with a soft, dry cloth.
The charging case becomes unusually hot	Charging conditions, the power source or a battery may be unsuitable	Disconnect the case, remove the batteries and allow it to cool before checking the batteries and power source.
A charged battery has a short operating time	The battery may be aged or have reached the end of its service life	Recharge it fully and replace it if its performance remains poor.

Disposal

This product must not be disposed of as unsorted household waste. It is important to separate such waste for proper treatment and recycling, in compliance with local waste management regulations.

Warranty

Products that you buy directly from our Powerology website or shop come with a 24-month warranty.

The 24-month warranty applies to products purchased directly from our Powerology website or store. If Powerology products are bought from any of our verified retailers, then the product is eligible for only a

12-month warranty. To extend your product's warranty, visit our website www.powerology.me/warranty and fill in your details in the provided form along with an uploaded picture of the product to process your request. Once approved, you will receive a confirmation email of the extended product warranty. Upload the required information within 48 hours of purchase to be eligible for a 24-month warranty period.

For more info, please check: www.powerology.me/warranty

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