



WARNING:
Charge the BSWY USA blue
and white label DW0242 Li-ion
battery (code DE-24L) ONLY on
the BSWY USA DW-CH04 Charger!

BSWY USA DW-CH04 Charger Instructions (replaces DW0246 + DE-CH03)

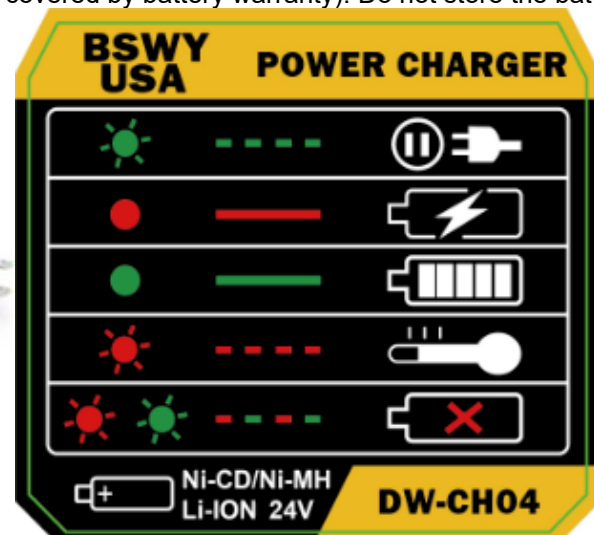
The BSWY USA DW-CH04 Charger is a reliable solution for charging the original DW0242 and BSWY USA DE-24/DE-24L via a wall outlet. This charger uses built-in safety features to protect the battery during charging (and after) from overheating, overcharging, improper voltage, and short-circuiting.

WARNINGS: Only charge original DW0242 or BSWY USA DE-24/DE-24L batteries with this charger. Do not charge any other batteries with this charger (this charger does not work with Stryker's SMRT battery). Remove the battery from the charger and unplug the adapter from the wall when not in use. Do not store battery in cot. Do not use the charger in a high temperature or high humidity environment (see environment limits below warnings). Keep the charger away from fire, rain, water, and any other liquid. Do not short circuit the charger or battery. Do not use charger if cord or charger is damaged. Do not leave charger in direct sunlight or by a heater or heat vent. Do not put charger on paper, clothing, sponge, foam, or anything flammable during use. Do not allow sand, dust, water or any metal chip or fragment to get into charger. Keep away from children. Do not dispose of with household material. Must be recycled as hazardous waste. Store the charger in cool, dry, safe place. **DISCLAIMER:** Our guarantee/warranty does not cover any damage caused by improper use.

Input Voltage: 100-240V, 50/60HZ. **Output:** DC 2A 62W max. **Working/Storage Environment Limits:** Temperature - 10°C (14°F above zero) up to 30°C (86°F above zero). Humidity less than 85%. Air Pressure 86Kpa-106Kpa

CHARGING INSTRUCTIONS

1. Check that the charger and cable/plug are in good condition. Assemble charger by plugging the wall cord's small black plastic end into the charger. Plug the wall cord into the wall outlet. **The light on the charger will blink green indicating it is ready to accept a battery.**
2. **Using 2 hands to hold battery and charger, insert battery all the way until it clicks in place and cannot easily slide off. The light on the charger will turn solid red to indicate charging.**
3. **Temperature Warning:** If the battery is too warm, the light will **blink red** and charging stops. Remove battery from charger, unplug charger cord from wall outlet and let battery get closer to normal room temperature for 1 hour or more before charging again. Batteries naturally get warm during charging. The longer the charging session, the warmer. A battery at very low charge will take longer to charge (and get warmer during charging) before it reaches full. Therefore, it may take 2 charging sessions to get a battery that is at a very low charge level to reach full charge (**solid green light**) if 1st session indicates a temperature cutoff warning.
4. **Defective Battery Warning: Red and green blinking together** means that a defective battery has been detected. Make sure battery was firmly inserted in charger till it clicks in place. Test the battery for defect and clean battery charging contacts and check charger for debris that may block proper connection to battery.
5. **The light on the charger will turn solid green when done charging.** A 3.3Ah NIMH 24V battery can take up to 100 minutes to charge from empty.
6. **Charging stops automatically when fully charged (solid green light) or at a max of 3 hours** (does not continue nor trickle charge after it has reached full). To reinitiate charging process, remove battery for about 10 seconds and then slide it back onto the charger (if battery or charger are warm, be sure to allow time for both to cool before reinitiating the charging process). **IMPORTANT: DO NOT leave the battery on the charger after charging is complete. Remove the battery from the charger and unplug the cord from the wall when the charger is not in use.** If the battery is not used and charged daily, bring to full charge after each use and fully recharge once per month if not used. See important battery maintenance information on the back side of this page (batteries damaged by deep discharge are not covered by battery warranty). Do not store the battery in cot.



Charger Maintenance

This charger was designed to be powered down when not in use to extend the life of the charger. There is no “off” button, so to power it down you will need to either unplug the charger from the wall socket or shut off power to the socket/circuit that the charger’s cord is plugged into. Prevent dust/debris from collecting inside the charger (dust causes overheating), but **do not** cover charger during use. **Do not store battery on the charger nor in cot** or tool after charging is complete (whether or not the charger is plugged into power) since that can cause deep discharge damage to the battery cells which is NOT COVERED BY WARRANTY (see below).

Battery Maintenance and Cleaning – BEWARE OF DEEP DISCHARGE!

Rechargeable batteries self-discharge even when not in use. Self-discharge occurs faster when battery is stored in the charger after charging is complete or when stored in the tool (or in the cot) for long periods. When they reach a very low state of charge (deep discharge), the battery cells can be damaged. This damage is **not covered by warranty**. To avoid damage, we recommend you bring the battery to full charge before storing and/or before it sits for any length of time on a shelf (do not store on charger or tool for long periods). If you use and charge the battery daily, you will likely avoid deep discharge damage. **If the battery is not used and charged daily, bring to full charge after each use, remove from charger, and then fully recharge once per month if not used. Do not store battery in cot or tool.** Topping off the battery’s charge without fully discharging will not harm the battery. **Cleaning** the battery’s charging contacts may be required when you notice dirt, dust, or residue buildup (use a Q tip or cotton swab with a small amount of rubbing alcohol to wipe the metal contacts, then dry the contacts before using the battery again).

Important Differences

Once the battery has reached full charge (**solid green light**), **this charger will NOT continue trickle charging**. It will only begin charging the battery again if the outlet loses and then regains power (or is unplugged from the outlet and then replugged in) or if you remove and reinsert the battery into the charger. **Do not store the battery on the charger nor in the cot** or tool after charging is complete for long periods as that will end up discharging the battery faster than if you had removed the battery from the charger soon after charging completed. Battery warranty does not cover deep discharge from improper charging, improper use, nor improper storage.

Stryker Power Cot Users and Stryker Power-LOAD Users

Like the Dewalt original 24v battery and charger that Stryker originally shipped with their cots (before SMRT existed), the BSWY USA DW-CH04 charger with DE-24 battery can yield 5-10 lifts average per charge (or up to 15-30 lifts per charge with DE-24L). Battery performance will degrade over time with usage and may differ due to environmental factors, patient size, call frequency and cot condition. If you are using Stryker’s Power-LOAD (optional device that automatically loads cot into ambulance), that device can ONLY charge the SMRT battery from Stryker. **Stryker’s Power-LOAD will NOT charge our batteries (nor our BSWY USA batteries).**

Wall/Surface Mounting the Charger

The BSWY USA DW-CH04 charger comes with built in mounting holes and screws for simple wall/surface mounting. Choose a safe, cool, and dry location away from direct sunlight, near a power outlet or extension cord, and clear of other devices and allow for the charger to vent heat away from charger. Make sure your chosen screw locations will not penetrate any wiring already in wall. Follow the mounting screws instruction sheet included in the charger box. Do not install the screws into the wall so far that the charger’s mounting holes cannot grab/sit securely on the screw heads (refer to mounting instruction sheet). Holding charger so that LED light is at top left corner and charger front label is facing you correctly reading left to right, line up the charger’s built in mounting holes with screws on the wall, then let it sit securely on the screwheads. This position allows you to slide the battery **down** onto the charger, then slide battery up to remove (hold charger with other hand while sliding battery both on and off so that charger does not come off wall and so that you don’t ruin/loosen the screw threads you’ve put into the wall). Never use too much force when sliding battery on and off as you may damage your wall mount and/or battery or charger.