

Manuals.plus /

› Tonton /

› Tonton 14AWG 8mm DC7909/DC8020 Solar Extension Cable User Manual

## Tonton DC7909 TO DC8020

# Tonton 14AWG 8mm DC7909/DC8020 Solar Extension Cable User Manual

Model: DC7909 to DC8020 (20FT)

## 1. INTRODUCTION

Thank you for choosing the Tonton 14AWG 8mm DC7909/DC8020 Solar Extension Cable. This cable is designed to extend the reach between your solar panel and portable power station, ensuring stable and efficient power transfer. Its durable construction and versatile connectors make it ideal for various outdoor and emergency power applications.

## 2. IMPORTANT INFORMATION BEFORE PURCHASE & USE

- **Input Interface:** This product is equipped with a DC 7909 (8mm) input interface only. Ensure your solar panel's output interface is also DC 7909 (8mm). If not, a compatible solar charging cable may be required.
- **Extension Cable Usage:** This cable is designed as an extension cable, not a direct connection to a solar panel. It must be connected to the cable that originally came with your solar panel (e.g., Jackery SOGA 200).
- **Voltage Drop:** Using an extension cable may result in slight voltage drop and reduced power output, which could extend the charging time for your portable power supply.
- **Compatibility Note:** Not compatible with Jackery Explorer 300.

## 3. PRODUCT OVERVIEW

The Tonton 8mm Extension Cable features 14AWG pure copper wiring for stable current delivery and durable orange PVC insulation for heat resistance and longevity. It includes DC7909 (8mm) female to male connectors with an additional DC8020 (8mm) right-angle male adapter for enhanced compatibility.



Figure 1: Tonton 8mm Extension Cable (20FT) with DC7909 and DC8020 connectors.



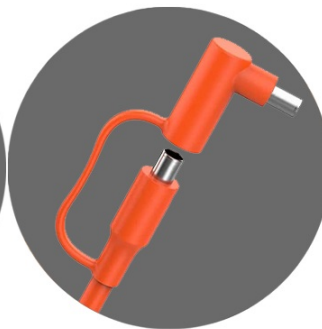
Figure 2: Close-up of the DC7909 and DC8020 connectors.



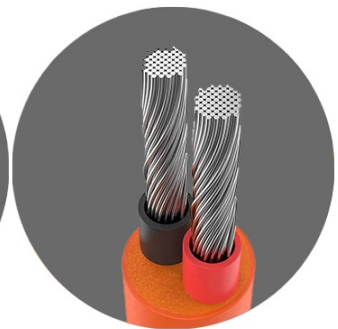
**Waterproof  
Outdoor / Indoor**



**Long Bend  
Lifespan**



**Connector  
No Loss**



**Tought PVC Jacket  
Pure Copper Wire**

Figure 3: Illustration of the 14AWG pure copper wire and durable PVC insulation.

## 4. SPECIFICATIONS

---

Feature	Description
Brand	Tonton
Model	DC7909 TO DC8020
Model Name	DC78-6M
Cable Type	DC Power, 14AWG Pure Copper
Connector Type	DC7909 (8mm), DC8020 (8mm)
Connector Gender	Male-to-Female
Item Length	20 Feet (6 Meters)
Maximum Current	10 Amps
Maximum Voltage	12 Volts (DC)
Special Features	Heat Resistant, Durable PVC Insulation
Indoor/Outdoor Usage	Outdoor

## 5. SETUP INSTRUCTIONS

1. **Verify Compatibility:** Ensure your solar panel has a DC 7909 (8mm) output interface and your portable power station has a compatible DC 7909 or DC8020 input port.
2. **Connect to Solar Panel Cable:** Take the original connecting cable that came with your solar panel. Connect the female end of the Tonton extension cable to the male end of your solar panel's original cable.
3. **Connect to Power Station:** Identify the appropriate input port on your portable power station. The Tonton extension cable features a DC7909 male connector and an additional DC8020 right-angle male adapter. Choose the connector that matches your power station's input.
4. **Secure Connection:** Ensure all connections are firm and secure. The plug-and-play design allows for effortless connect and disconnect without additional tools.
5. **Positioning:** Place your solar panel in direct sunlight and your power station in a shaded, well-ventilated area, utilizing the 20-foot extension for optimal placement.

### Plug and Play, Easy Connection



Portable Solar Generator



Solar Panel

Figure 4: Diagram showing the plug-and-play connection between solar panel, extension cable, and portable solar generator.

# Wire Material High Quality

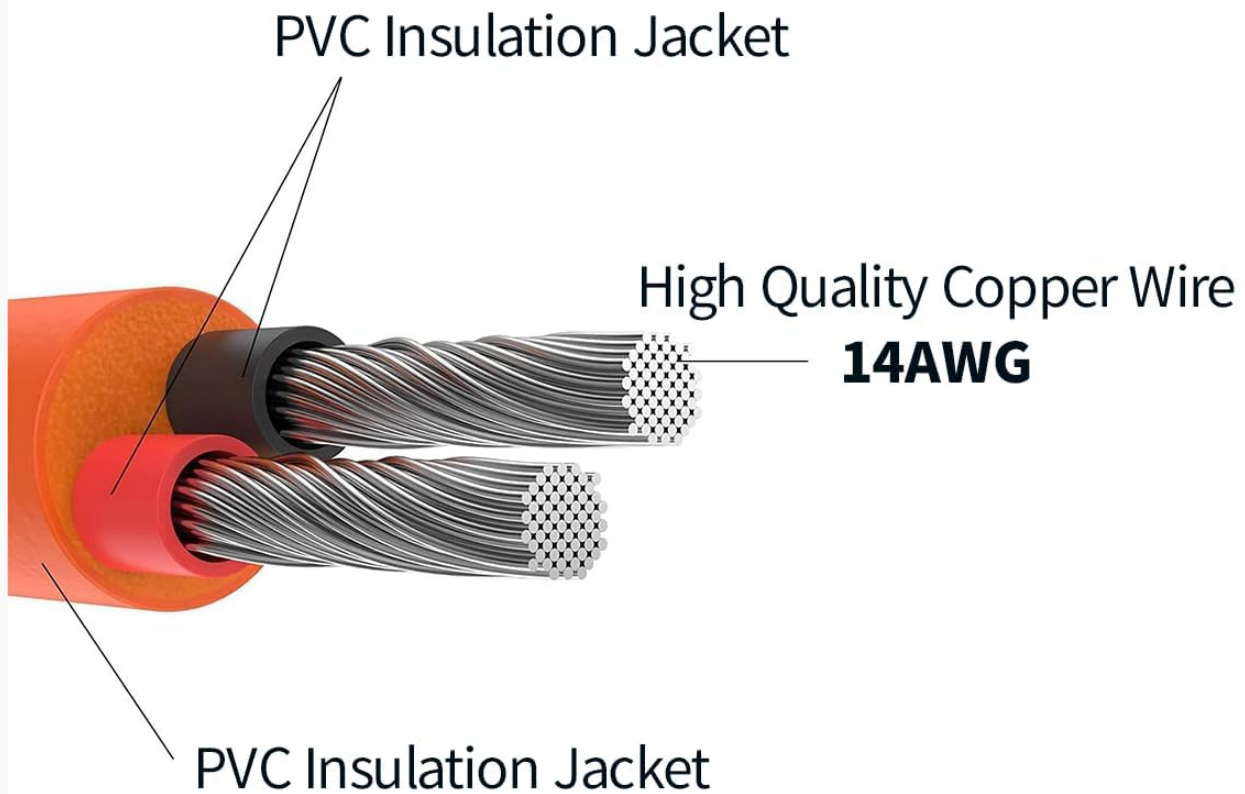


Figure 5: Visual guide for connecting the solar panel to the portable solar generator using the extension cable.

## 6. OPERATING INSTRUCTIONS

Once the cable is securely connected between your solar panel and portable power station, ensure both devices are powered on. The extension cable will facilitate the transfer of solar energy from the panel to charge your power station. Monitor your power station's display for input wattage to confirm proper charging.

Your browser does not support the video tag.

Video 1: Demonstrates the connection and charging process of a solar generator with a solar panel using the extension cable.

## 7. COMPATIBILITY

---

The Tonton 8mm Extension Cable is widely compatible with various solar generators and portable power stations that feature DC7909 or DC8020 input/output ports. This includes, but is not limited to:

- **Jackery Explorer Series:** 3000 Pro, 2000 Plus, 2000 Pro, 2000, 1500, 1500 Pro, 1000 Plus, 1000 Pro, 1000, 880, 700, 700 Plus, 600 Plus, 550, 500, 290, 240, 160 (*Note: Not compatible with Jackery Explorer 300*).
- **BLUETTI Power Stations:** EB3A, EB70, EB70S.
- **Goal Zero Yeti Power Stations:** 160, 240, 300.
- **Anker Power Stations:** 521, 535, 555, PowerHouse II 400, 300, II 800, 500W/777Wh PowerHouse.
- **BALDR Power Stations:** 200W, 330W, 500W, 1000W.
- **Other Brands:** PAXCESS Rugged 330, Geneverse Homepower, ExpertPower, MAXOAK, Westinghouse iGen200s, iGen300s, iGen600s, EF ECOFLOW, Renogy, ZOUPW, FlexSolar Power Station.

## 8. MAINTENANCE

---

- **Cleaning:** Wipe the cable with a dry, clean cloth to remove dust or dirt. Avoid using harsh chemicals or abrasive materials.
- **Storage:** When not in use, coil the cable neatly and secure it with the integrated Velcro straps. Store in a cool, dry place away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically inspect the cable and connectors for any signs of damage, fraying, or corrosion. Do not use if damaged.
- **Environmental Resistance:** The cable is designed to be IP65 waterproof and resistant to cold, heat, and abrasion, making it suitable for outdoor use in various conditions.

# IP65 Waterproof

Protects against direct sunlight, abrasion, and moisture, Cold-resistance.

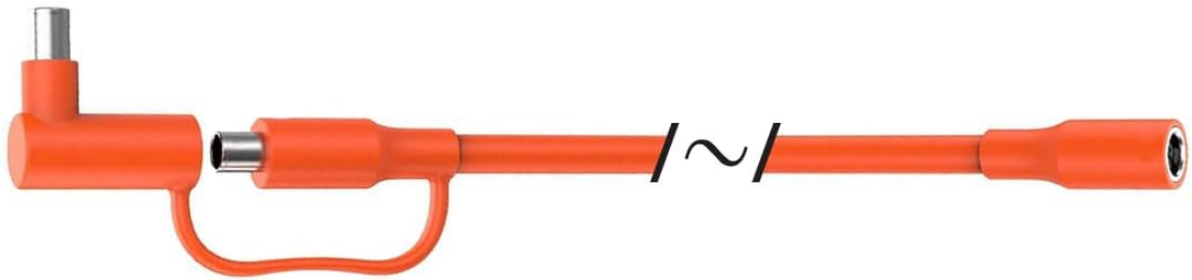


Figure 6: The cable's IP65 waterproof rating and resistance to various weather conditions.

## 9. TROUBLESHOOTING

### • No Power Transfer:

- Ensure all connections are secure and fully inserted.
- Verify that your solar panel is receiving adequate sunlight.
- Check if the solar panel's output interface and power station's input interface are compatible with the DC7909/DC8020 connectors.
- Confirm that the power station is turned on and ready to receive charge.

### • Reduced Charging Speed:

- Longer extension cables can cause a slight voltage drop, leading to reduced power output and longer charging times. This is normal for extension cables.
- Ensure the solar panel is optimally angled towards the sun for maximum efficiency.
- Check for any obstructions (e.g., shade) on the solar panel.
- **Loose Connection:** If connections feel loose, ensure the connectors are clean and free from debris. The cable is designed for a secure fit.

## 10. APPLICATIONS

---

The Tonton 8mm Extension Cable is an essential accessory for various outdoor and off-grid scenarios, providing flexible power solutions:

- **Outdoor Activities:** Ideal for camping, hiking, and other outdoor adventures where you need to keep your portable power station charged.
- **Emergency Power:** Provides a reliable way to extend your solar panel's reach during power outages or emergency situations.
- **RV and Boating:** Facilitates easy and reliable power access for portable solar panels when traveling in RVs, adventure vehicles, trailers, or boats.
- **Home & Garden:** Convenient for charging power stations in your courtyard or garden, allowing for flexible placement of solar panels.



Figure 7: Examples of the extension cable's wide applications in outdoor environments.



DC 8mm extension cable is the perfect companion for RVs, adventure vehicles, trailers, boats, camping and other outdoor trips.

Figure 8: The cable's suitability for various outdoor activities and settings.

## 11. WARRANTY AND SUPPORT

Tonton is committed to customer satisfaction. This 14AWG solar panel extension cord comes with a **1-year warranty**. For any quality concerns or technical assistance, please contact our **24/7 Free Technical Support Service**. In case of issues, we offer a hassle-free resolution through replacement or refund, ensuring your peace of mind.

**Contact Support:** [sales@tontonsecurity.com](mailto:sales@tontonsecurity.com)



Figure 9: Scan for Tonton support or visit the official Tonton store.