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› usangreen RJ45 RS485 Communication Cable User Manual

usangreen RJ45-BMS-Male-Male

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Model: RJ45-BMS-Male-Male

INTRODUCTION

This manual provides essential information for the proper use and understanding of your usangreen RJ45 RS485 Communication Cable. This cable is specifically designed for establishing communication between Seplos Battery Management Systems (BMS) and Voltronic Inverters. It is a male-to-male cable, available in flat ribbon or round cable styles, and various lengths.

Important Note: This cable is NOT a standard network LAN cable. It is exclusively for the specified BMS-to-inverter communication and may not be compatible with other inverter brands or devices.

PRODUCT FEATURES

- **Dedicated Communication:** Specifically designed for RJ45 RS485 communication between Seplos Battery BMS and Voltronic Inverter.
- **Male-to-Male Connection:** Features male RJ45 connectors on both ends for direct connection.
- **Cable Style Options:** Available in Flat Ribbon RJ45 Cable or Round Cable variants.
- **Length Options:** Available in various lengths including 100cm, 200cm, and 300cm.
- **Data Transmission:** Enables reliable data transmission for battery management system communication.

SETUP AND CONNECTION

Follow these steps to properly connect your usangreen RJ45 RS485 Communication Cable:

1. **Identify Ports:** Locate the RJ45 communication port on your Seplos Battery BMS and the corresponding RJ45 communication port on your Voltronic Inverter. Refer to the respective device manuals for port identification.
2. **Connect Cable:** Carefully insert one end of the usangreen RJ45 RS485 cable into the RJ45 port of the Seplos

Battery BMS until it clicks securely into place.

3. **Connect Other End:** Insert the other end of the cable into the RJ45 port of the Voltronic Inverter until it clicks securely into place.
4. **Verify Connection:** Ensure both ends of the cable are firmly seated and do not wobble. A secure connection is crucial for stable communication.
5. **Power On Devices:** Once the cable is connected, power on your Seplos Battery system and Voltronic Inverter according to their operational guidelines.

The cable facilitates the necessary data exchange for the BMS to communicate with the inverter, enabling proper battery management and system operation.



Image: The usangreen RJ45 RS485 Flat Ribbon Cable, showing its overall length and male RJ45 connectors on both ends. This cable is designed for specific BMS to inverter communication.



Image: A close-up view of the two male RJ45 connectors of the usangreen communication cable, highlighting the clear plastic housing and the internal wire arrangement. Note that the pinout shown in images is for reference only and may not reflect the actual functional pinout for this specialized cable.



Image: Another perspective of the RJ45 connectors, showing the robust design and the individual colored wires visible through the clear housing. This view emphasizes the male-to-male configuration.

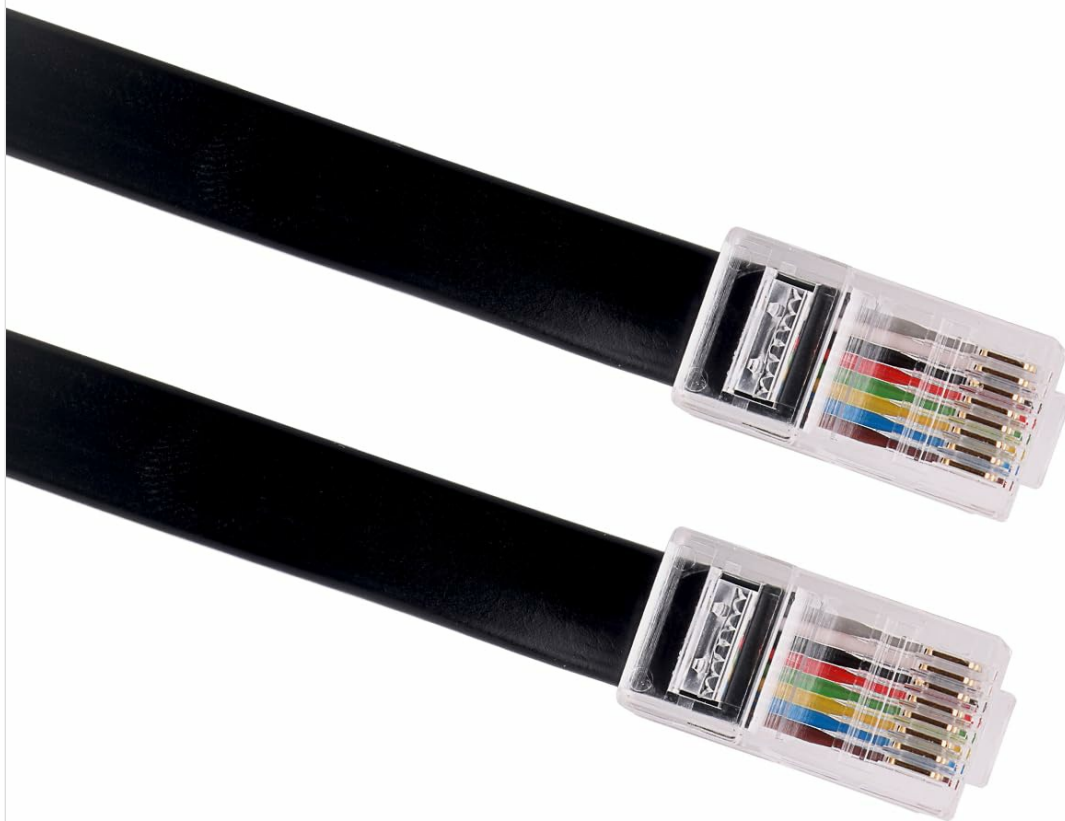


Image: The RJ45 connectors attached to the flat ribbon cable, illustrating the low-profile design of the cable itself. This image provides a good view of how the connectors integrate with the flat cable style.

OPERATION

Once the usangreen RJ45 RS485 Communication Cable is securely connected between your Seplos Battery BMS and Voltronic Inverter, the cable facilitates the necessary data exchange for the battery management system to communicate with the inverter. This communication is essential for:

- Monitoring battery status and parameters.
- Controlling charging and discharging processes.
- Ensuring safe and efficient operation of the battery and inverter system.

Refer to the user manuals of your Seplos Battery BMS and Voltronic Inverter for detailed information on how to monitor and manage your system once the communication link is established.

CARE AND MAINTENANCE

To ensure the longevity and reliable performance of your usangreen RJ45 RS485 Communication Cable, please observe the following maintenance guidelines:

- **Handle with Care:** Avoid bending, twisting, or pulling the cable excessively, especially near the connectors.
- **Clean Connectors:** If necessary, gently clean the RJ45 connectors with a dry, lint-free cloth. Do not use liquids or abrasive cleaners.
- **Storage:** When not in use, store the cable in a cool, dry place, away from direct sunlight and extreme temperatures. Coil the cable loosely to prevent kinks.
- **Inspect Regularly:** Periodically inspect the cable and connectors for any signs of damage, such as cuts, fraying, or bent pins. Do not use a damaged cable.

TROUBLESHOOTING

If you experience issues with communication between your Seplos Battery BMS and Voltronic Inverter, consider the following troubleshooting steps:

- **Check Connections:** Ensure both ends of the RJ45 cable are securely plugged into the correct ports on the BMS and inverter. A loose connection is a common cause of communication failure.
- **Verify Cable Type:** Confirm that you are using the correct usangreen RJ45 RS485 cable specifically designed for Seplos to Voltronic communication. This cable is not a standard Ethernet cable.
- **Inspect Cable for Damage:** Visually inspect the entire length of the cable and its connectors for any physical damage, such as cuts, crimps, or bent pins. A damaged cable should be replaced.
- **Power Cycle Devices:** Try power cycling both the Seplos Battery BMS and the Voltronic Inverter. Turn them off, wait a few minutes, and then turn them back on.
- **Consult Device Manuals:** Refer to the user manuals for your Seplos Battery BMS and Voltronic Inverter for specific communication setup instructions and troubleshooting guides related to their ports and protocols.
- **Contact Support:** If the issue persists after performing these steps, contact usangreen customer support or your system integrator for further assistance.

SPECIFICATIONS

Attribute	Detail
Brand	usangreen
Model Number	RJ45-BMS-Male-Male
Connector Type	RJ45 Male to Male

Cable Type	RS485 Communication Cable (Flat Ribbon or Round)
Compatible Devices	Seplos Battery BMS to Voltronic Inverter
Special Feature	Data Transmission for BMS Communication
Length Options	100cm (3.2 Feet), 200cm (6.56 Feet), 300cm (9.84 Feet)
Package Dimensions	4.72 x 3.94 x 0.78 inches (approximate)
Item Weight	1.12 ounces (approximate)
Country of Origin	China

PACKAGE CONTENTS

Your usangreen RJ45 RS485 Communication Cable package includes:

- 1 x usangreen RJ45 RS485 Communication Cable (Male to Male)

WARRANTY AND SUPPORT

For information regarding warranty, returns, or technical support, please refer to the purchase platform or contact usangreen customer service directly. Ensure you have your product model number (RJ45-BMS-Male-Male) and purchase details ready when contacting support.

You can visit the official usangreen store for more information:[usangreen Store](#)

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question