

[Manuals.plus](#) /

› [Spartan Power](#) /

› Spartan Power 500 Amp ANL Ceramic Fuse & Holder Kit User Manual

## Spartan Power 500 Amp ANL

# Spartan Power 500 Amp ANL Ceramic Fuse & Holder Kit User Manual

Model: 500 Amp ANL

## INTRODUCTION

---

This user manual provides essential information for the safe and effective installation, operation, and maintenance of your Spartan Power 500 Amp ANL Ceramic Fuse & Holder Kit. Please read this manual thoroughly before use and retain it for future reference.

The Spartan Power ANL Ceramic Fuse & Holder Kit is designed for use in DC systems, providing critical overcurrent protection for applications such as power inverters, solar charge controllers, audio systems, marine vessels, automobiles, RVs, and trailers. Its robust construction ensures reliable performance and durability.

## SAFETY INFORMATION

---

Always observe the following safety precautions:

- Disconnect all power sources before installing or servicing the fuse holder.
- Ensure the fuse rating matches the circuit's requirements. Using an incorrect fuse can lead to damage or fire.
- Wear appropriate personal protective equipment (PPE), including safety glasses and insulated gloves, during installation.
- Verify all connections are secure and properly insulated to prevent short circuits.
- Do not exceed the maximum voltage or current ratings of the fuse or holder.
- Consult a qualified electrician if you are unsure about any part of the installation process.

## PACKAGE CONTENTS

---

Your Spartan Power 500 Amp ANL Ceramic Fuse & Holder Kit includes:

- 1 x 500 Amp ANL Ceramic Fuse
- 1 x Black Fuse Holder
- 2 x Terminal Covers

# FUSE KIT INCLUDES

CERAMIC FUSE

FUSE HOLDER

FUSE/TERMINAL PROTECTOR



## DURABLE CONSTRUCTION, BUILT TO LAST

Image: The Spartan Power ANL Fuse and Holder Kit, showing the ceramic fuse, the black fuse holder, and the clear protective terminal covers. This image illustrates the components included in the package.

### SETUP AND INSTALLATION

Proper installation is crucial for the safe and effective operation of your fuse kit. Follow these steps carefully:

1. **Choose a Mounting Location:** Select a dry, secure location close to the power source (e.g., battery) that is protected from physical damage and excessive heat. Ensure adequate ventilation.
2. **Prepare Cables:** Strip the insulation from your power cables to the appropriate length for connection to the fuse holder terminals. Use properly sized crimp terminals for a secure connection.
3. **Mount the Fuse Holder:** Secure the fuse holder to the chosen surface using appropriate fasteners (not included) through the mounting holes.
4. **Install the Fuse:** Carefully insert the 500 Amp ANL ceramic fuse into the holder. Ensure it is seated firmly between the two terminal posts.
5. **Connect Cables:** Connect the positive power cable from your source to one terminal of the fuse holder and the positive cable leading to your load (e.g., inverter) to the other terminal. Use appropriate wrenches to tighten the nuts

securely. *Do not overtighten.*

6. **Apply Terminal Covers:** Place the provided terminal covers over the connections to protect against accidental contact and environmental elements. The Gen 2 design ensures the cover stays on even when installed vertically.
7. **Verify Connections:** Double-check all connections for tightness and proper polarity before restoring power.



Image: A close-up view of the Spartan Power ANL Fuse Holder with the clear protective cover detached, showing the robust terminal posts and the slot for the ANL fuse. This illustrates the components ready for assembly.

# QUALITY & PRECISION

## HOLDER MATERIALS

**Stainless steel** connection post  
**Stainless steel** lock washer  
**Stainless steel** flat washer  
**Ceramic** conductive spacer

## BASE MATERIAL

**Glass-filled nylon** base;  
not cheap, flimsy plastic

## SUPERIOR PERFORMANCE

Built with industry-leading  
design and manufacturing

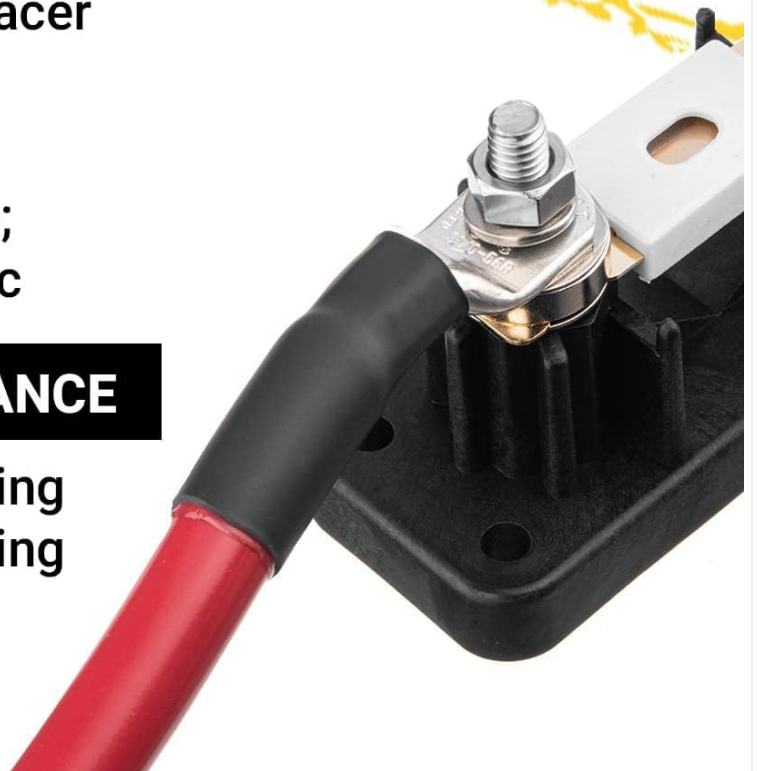


Image: A detailed view of the Spartan Power ANL Fuse Holder with a red power cable connected to one terminal, demonstrating the secure connection point and the quality of the materials used, including stainless steel hardware and a glass-filled nylon base.

## OPERATING INSTRUCTIONS

The Spartan Power ANL Fuse & Holder Kit operates passively to protect your electrical system. Once properly installed, it requires no active user intervention during normal operation.

- The fuse is designed to blow (open the circuit) if the current flowing through it exceeds its rated amperage for a specified duration, protecting downstream components from damage due to overcurrent or short circuits.
- If the fuse blows, the ceramic element inside will break, indicating that an overcurrent event has occurred.

## MAINTENANCE

Regular maintenance helps ensure the longevity and reliability of your fuse holder kit:

- **Periodic Inspection:** Annually inspect the fuse holder and connections for any signs of corrosion, loose

connections, or physical damage. Ensure the terminal covers are securely in place.

- **Cleaning:** If necessary, clean the exterior of the fuse holder with a dry, non-abrasive cloth. Do not use solvents or harsh chemicals.
- **Fuse Replacement:** If the fuse blows, it must be replaced with an identical 500 Amp ANL ceramic fuse. Always disconnect power before replacing a blown fuse. Identify and rectify the cause of the overcurrent before installing a new fuse.

## TROUBLESHOOTING

This section addresses common issues you might encounter:

| Problem                        | Possible Cause                              | Solution                                                                                                                                                            |
|--------------------------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No power to load               | Blown fuse                                  | Inspect the fuse. If blown, replace it with a new 500 Amp ANL fuse after identifying and correcting the cause of the overcurrent.                                   |
| Fuse holder feels warm         | Loose connections or excessive current draw | Disconnect power and check all connections for tightness. Ensure the current draw does not exceed the fuse's rating. If the issue persists, consult a professional. |
| Terminal covers do not stay on | Incorrect installation or damaged covers    | Ensure the covers are correctly aligned and snapped into place. If damaged, contact Spartan Power for replacements.                                                 |

## SPECIFICATIONS

| Feature                | Detail                            |
|------------------------|-----------------------------------|
| Model                  | 500 Amp ANL                       |
| Amperage Rating        | 500 Amps                          |
| Material (Holder Base) | Nylon-based, glass-filled plastic |
| Material (Fuse)        | Ceramic                           |
| Material (Hardware)    | Stainless Steel                   |
| Dimensions (L x W x H) | 7.5 x 2 x 3 inches                |
| Weight                 | 11.2 ounces                       |
| Mounting Type          | Surface Mount (Holder)            |
| Country of Origin      | USA                               |

## PRODUCT OVERVIEW VIDEO



Video: An official product video from Spartan Power, titled "Spartan Power Cables," demonstrating various products including battery cables, jumper cables, and fuse holder kits. This video provides a visual overview of the product line and its applications.

## WARRANTY AND SUPPORT

For warranty information and technical support, please visit the official Spartan Power website or contact their customer service directly. Details can typically be found on the product packaging or the manufacturer's website.  
Manufacturer: [Spartan Power](#)

**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