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CTEK Smartpass 120S Power Management System Installation Guide

Contents

CTEK Smartpass 120S Power Management System

Product Specifications

- **Product Name:** SMARTPASS 120S
- **Charging Capacity:** 120 A
- **Function:** Charges and supplies the service battery and equipment

- **Features:** Separates critical equipment from non-critical equipment
- **Website: www.smartercharger.com**

Product Usage Instructions

Installation

1. Ensure all power sources are disconnected before installation.
2. Mount the SMARTPASS 120S in a suitable location using the provided installation kit.
3. Connect the service battery and equipment to the SMARTPASS 120S following the provided wiring diagram.
4. Securely fasten all connections and ensure proper insulation is in place.

Operation

1. Once installed, ensure the SMARTPASS 120S is powered on.
2. The device will automatically charge and supply power to the service battery and connected equipment.
3. The critical equipment will be prioritized to ensure continuous power supply.

Maintenance

Regularly inspect the connections for any signs of wear or damage. Clean the device as needed to prevent dust accumulation.

Introduction

SMARTPASS 120S charges and supplies the service battery and equipment with 120 A, separates critical equipment from non-critical equipment ensuring that radio, emergency lights and navigation systems always have power.
SEPARATE, PRIORITIZE AND BOOST BATTERIES AND EQUIPMENT SMARTPASS 120S is a 120 A Power Management Solution which distributes, controls and maximizes the available energy from your alternator to power service batteries and consumers. SMARTPASS 120S handles all 12 V batteries between 28–800 Ah. The SMARTPASS 120S's Battery Guard function ensures that critical equipment such as radio, emergency lights and navigation systems always have power and take priority when the voltage on the service battery is low disconnecting non-critical consumers. The unit's Battery Guard will protect your service battery from total discharge and built in over temperature protection reduces charge current before the battery temperature gets too high. SMARTPASS 120S is compatible with the D250SA and D250SE 20 A on board chargers.

Features

- Smart alternator compatible
- Delivers 120 A for quick recharge of batteries 28–500 Ah Compatible with D250SA and D250SE for the ultimate 140 A power management solution
- Prioritizing critical consumers and supplies consumers directly from the alternator
- Start assistance function
- Battery separation eliminates diodes and VSR relays Fully automatic
- Maximizes battery life
- Battery Guard to protect your secondary battery from total discharge Dynamic over current protection to handle temporary inputs and outputs of up to 350 A for fast charging
- Battery temperature protection for added safety Splash and dust proof (IP65)
- Installation Kit included
- Item #40-678
- 2-year warranty

[WWW.SMARTERCHARGER.COM](#)

Frequently Asked Questions

Q: How can I troubleshoot if my SMARTPASS 120S is not charging?

A: Check the connections to ensure they are secure and correctly installed. Verify that the power source is functioning properly. If issues persist, consult the user manual or contact customer support.

Q: Can I use the SMARTPASS 120S with solar panels?

A: Yes, the SMARTPASS 120S can be used with solar panels to charge the service battery and connected equipment efficiently.

Documents / Resources

[CTEK Smartpass 120S Power Management System](#) [pdf] Installation Guide
DAFsS-EBrK0, BAEphavPGZs, Smartpass 120S Power Management System, Smartpass 120S, Power Management System, Management System, System

References

- [User Manual](#)