



**CRESLOW INVESTMENTS (Pty) Ltd  
CRESLOW ENERGY SOLUTIONS**

42 CRESLOW ESTATE  
DULCIE CLOSE, LONEHILL  
SANDTON, 2191  
SOUTH AFRICA

contactus@energysolution.co.za  
kribang@energysolution.co.za  
www.energysolution.co.za  
084 622 1701

## Locomotive Battery Operating Manual

Manufactured by



### Table of Contents:

- Introduction
- Safety Precautions
- Locomotive Battery Overview
- Battery Charging
- Battery Maintenance
- Troubleshooting
- Warranty Information
- Contact Information



## **CRESLOW INVESTMENTS (Pty) Ltd CRESLOW ENERGY SOLUTIONS**

42 CRESLOW ESTATE  
DULCIE CLOSE, LONEHILL  
SANDTON, 2191  
SOUTH AFRICA

contactus@energysolution.co.za  
kribang@energysolution.co.za  
www.energysolution.co.za  
084 622 1701

### **Introduction:**

Welcome to the Locomotive Battery Operating Manual. This manual is designed to provide you with essential information for the safe and efficient operation of your locomotive battery. Proper care and maintenance are crucial to maximize the lifespan and performance of your battery.

### **Safety Precautions:**

Safety is of utmost importance when working with locomotive batteries. Before using your battery, please ensure that you read and understand these safety precautions:

- Always wear appropriate personal protective equipment, including safety glasses, gloves, and appropriate clothing.
- Ensure proper ventilation when charging or using the battery to prevent the accumulation of harmful gases.
- Never short-circuit the battery terminals.
- Keep the battery away from open flames and sparks.
- Do not immerse the battery in water or other liquids.
- Only charge the battery with approved charging equipment and follow the manufacturer's charging instructions – Please refer to the Charger manual for specific details.
- If you observe any damage or leakage from the battery, stop using it immediately and contact a professional for inspection.



## **CRESLOW INVESTMENTS (Pty) Ltd CRESLOW ENERGY SOLUTIONS**

42 CRESLOW ESTATE  
DULCIE CLOSE, LONEHILL  
SANDTON, 2191  
SOUTH AFRICA

contactus@energysolution.co.za  
kribang@energysolution.co.za  
www.energysolution.co.za  
084 622 1701

### **Locomotive Battery Overview:**

Your locomotive battery is a critical component of your locomotive's electrical system. It provides the necessary power to start the locomotive and operates various electrical systems onboard. The battery's specifications, including voltage and capacity, should match the requirements of your locomotive.

### **Battery Charging:**

Proper battery charging is essential to maintain battery performance and prolong the lifespan of the battery. Follow these guidelines for charging your locomotive battery:

- Use a compatible charger that matches the voltage and capacity of the battery. It is recommended to use the Charger supplied by the battery manufacturer.
- Ensure that the charger is set to the correct voltage and charging mode – When using the Charger supplied by the battery manufacturer the CANBUS communication between Battery & Charger will ensure the correct Voltages & AMPs are used.
- Connect the Charger's plug with communication port to the Battery Charging plug with communication port. Communication port is on the Charging plugs.
- Follow the recommended charging time provided by the battery manufacturer - When using the Charger supplied by the battery manufacturer the CANBUS communication between Battery & Charger will ensure the correct charging time and charging rates.
- Monitor the battery during charging and disconnect the charger when the battery is fully charged - When using the Charger supplied by the battery manufacturer the CANBUS communication between Battery & Charger will automatically disconnect when the desired Battery level is reached.
- When the battery is in Charge mode the locomotive is not operational. The Charger plug must be disconnected to enable Discharge mode.



## **CRESLOW INVESTMENTS (Pty) Ltd CRESLOW ENERGY SOLUTIONS**

42 CRESLOW ESTATE  
DULCIE CLOSE, LONEHILL  
SANDTON, 2191  
SOUTH AFRICA

contactus@energysolution.co.za  
kribang@energysolution.co.za  
www.energysolution.co.za  
084 622 1701

### **Battery Maintenance:**

Proper maintenance is crucial for the longevity and performance of your locomotive battery. Here are some maintenance tips:

- Keep the Battery plugs and Charging plugs clean and free from corrosion.
- Inspect the battery for physical damage and leakage regularly.
- Ensure that the battery is securely mounted in its designated location.
- Store the battery in a cool, dry place when not in use – Please refer to Locomotive battery specifications for specific details.

### **Troubleshooting:**

If you encounter any issues with your locomotive battery, consult the troubleshooting section in your locomotive's manual. If problems persist, contact a qualified technician or the battery manufacturer's customer support.

### **Warranty Information:**

Your locomotive battery may come with a manufacturer's warranty. Refer to the warranty documentation provided with the battery for details on coverage and terms. Ensure that you comply with the warranty conditions for any potential claims.

### **Contact Information:**

For questions, concerns, or assistance, please contact the manufacturer or authorised distributor at the provided contact details.

Remember that proper care and maintenance of your locomotive battery are essential to ensure safe and efficient locomotive operation. Always prioritize safety and follow the guidelines outlined in this manual.