



# RAILWAY Power Systems Signaling Applications [12VDC]



*The RLW series are highly reliable chargers designed for today's demanding rail applications.*

## RLW 12/40 SERIES

### Specifications

**MODEL CAPACITY:**

40A continuous.

**PROTECTION:**

Input fusing and Output breaker. Input transient suppression, output electronic current limit to 100% of rated capacity. 120/240VAC input selectable.

**EXTERNAL INDICATIONS:**

Current Limit, rectifier fail, thermistor fail. Optional digital DC Volt / Amp meter.

**CONTROLS:**

Front panel mount voltage programming switch for cell configuration.

**ALARM CONTACT:**

Form 'C' for normally open or normally closed indication. (Front, Heel and Back)

Triggered by – rectifier fail, thermistor fail or AC power off.

**WARRANTY:**

Comprehensive 12 month.

### Features

- o **Low Ripple** – <100mV with battery connected.
- o **Automatic operation** - No maintenance required.
- o **Temperature compensation** – Front panel selectable Nickel Cadmium and Lead Acid battery temperature compensation for extended battery life.
- o **Ease of installation** - Full covered front accessible A.A.R. terminals.

While retaining C-Can's low output ripple for railway microprocessor applications, this evolutionary design has reduced the package size to 14.25"H x 8" W x 3" D. This one charger can fulfill all applications up to 40 Amperes!

### Related Products



- o Communication power systems.
- o Battery systems.
- o Track switching power systems.

## Model

**RAILWAY** *Power Systems*

*Signaling Applications [12VDC]*

**RLW12/40**

## Input

|                             |            |
|-----------------------------|------------|
| Voltage:                    | 120/240VAC |
| Phase                       | Single     |
| Frequency:                  | 50/60 Hz   |
| Efficiency (50%-100% load): | >80%       |

## Output

|                           |                          |
|---------------------------|--------------------------|
| Voltage:                  | 14.7V @ 20 deg C nominal |
| Current:                  | 40 Amps continuous rated |
| Power:                    | 580 Watts                |
| Line Regulation:          | .1% for +/-10%           |
| Load Regulation (0-100%): | +/-1%                    |

## Physical

|                            |                                       |
|----------------------------|---------------------------------------|
| Dimensions (HxWxD) Inches: | 14.25H x 8W x 3D                      |
| Temp. - Operating:         | -40 to +70 deg C                      |
| Cabinet Type:              | Wall mount, option rack mount bracket |
| Weight:                    | 12 lbs                                |

## Connections

|                             |         |
|-----------------------------|---------|
| Input:                      | A.A.R.  |
| Output:                     | A.A.R.  |
| Alarm:                      | Plug in |
| Battery Temperature Sensor: | Plug in |

## Options

|        |                             |
|--------|-----------------------------|
| Meter: | Digital DC Volt / Amp meter |
|--------|-----------------------------|

## Codes and Standards

All equipment is designed, manufactured and tested in accordance with CSA C22.2 No. 107.1. In addition, the equipment is designed in accordance with the applicable EEMAC, ANSI, IEEE, NEMA and AREMA Standards.

Specifications subject to change without notice.

**ISO 9001 Registered**

rail 1050 rev b5 (06/08) pg.2

# C~CAN

C-Can Power Systems Inc.  
38 Commerce Crescent  
Acton, Ontario, Canada L7J 2X3  
Phone: (519) 853-4000  
Toll Free: (800) 461-7017  
Fax: (519) 853-3166  
Web site: [www.c-can.com](http://www.c-can.com)  
E-mail: [info@c-can.com](mailto:info@c-can.com)