



# RAILWAY Power Systems Signaling Applications [12VDC]



## RLW 12/40M SERIES

### Specifications

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**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, general fault, thermistor fail.

**CONTROLS:**

Front panel mount programming of cell configuration, equalize and alarms.

**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.

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

### Features

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- **Low Ripple** – <100mV with battery connected.
- **Automatic operation** - No maintenance required.
- **Temperature compensation** – Front panel selectable Nickel Cadmium and Lead Acid battery temperature compensation for extended battery life.
- **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 3.9"D. This one charger can fulfill all applications up to 40 Amperes!

### Related Products

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

## Model

**RAILWAY** Power Systems  
Signaling Applications [12VDC]

**RLW12/40M**

## 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 3.9D  
Temperature - Operating: -40 to +70 deg C  
Cabinet Type: Wall mount, option rack mount bracket  
Weight: 12 lbs

## Connections

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

Real time status (On screen)	Alarm reporting (on screen)	Controls & Adjustments
DC output voltage	DC low voltage	Float voltage adjustment
DC output current	DC high voltage	Equalize voltage adjustment
Battery temperature	Battery low temperature	Equalize duration (0-255 h)
Ambient temperature	Battery high temperature	Temperature compensation
Alarm status	Output breaker open	Cell configuration

*All alarm pick-up & drop-off points are user adjustable and password protected.*

## 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 9001:2008 Registered**

rail 1057 rev 6 (08/2012) 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)