



# JC Series

**6 or 12 Volts Emergency Unit**  
**Sealed Maintenance-Free Lead Calcium**  
**or Nickel-Cadmium Battery**  
**UL Listed**

The **Emergi-Lite JC Series** emergency battery unit incorporates performance and labor-saving features, normally found only in higher capacity units, in a economical compact housing design. The **JC Series** is ideally suited for commercial applications where space, performance and ease of installation are required.

## Standard Features

### Reliability

The **JC Series** has a three year full warranty (excluding lamps and fuses).

### Unit Data

Compact steel cabinet with corrosion-resistant undercoating standard color is "mist white", black available as an option. The **JC Series** has rear keyhole mounting slots and is designed to mount directly to any standard 4" junction box.

### Lamp

Standard unit furnished with two EF10 heads constructed of impact resistant, flame retardant thermoplastic heads complete with 6-watt, MR16 halogen lamps. Also available up to 20W(MW) high output illumination.

### Solid State Charger

- Automatic, temperature compensated type charger.
- High capacity, automatic, dust-tight instantaneous transfer relay.
- Low voltage disconnect prevents over discharge of battery.  
Automatic brownout protection is provided.
- Labor saving AC line latch prevents battery discharge during installation to a non-energized circuit.
- Fused output circuit.
- Optional Advanced Diagnostics comes with a micro controller based pulse type charger.

### Power Requirements

120/277Vac 60Hz, 0.3/0.15 Amp.

## Power Consumption Chart

| Model # | AC Input | Maximum       |             |
|---------|----------|---------------|-------------|
|         |          | Input Current | Input Power |
| JC      | 120 Vac  | 0.20 A        | 24 W        |
|         | 277 Vac  | 0.08 A        | 24 W        |
| 12JC    | 120 Vac  | 0.24 A        | 30 W        |
|         | 277 Vac  | 0.12 A        | 30 W        |

## Suggested Specification

Supply and install the **Emergi-Lite JC Series** of battery units. The equipment shall include a metal cabinet made of steel with anti-corrosion undercoating. The emergency heads shall be made of fire-retardant thermoplastic; they shall be installed at the top of the unit and shall require no tools for adjusting or aiming. The equipment shall have dual-voltage AC input 120/277Vac, 60Hz and an output of: \_\_\_ Volts \_\_\_ Watts. The equipment shall come complete with two emergency lamps of \_\_\_ Watts.

The battery charger shall be factory set with a charging voltage tolerance of  $\pm 1\%$  to enable a longer battery life. The unit equipped with optional Advanced Diagnostic micro-controller board shall self-test 1 minute every 30 days, 30 minutes every 6 months and 90 minutes every 12 months. The unit shall be supplied with a test switch and diagnostic LED indicator lights to continuously monitor the status of the unit: Battery Failure, Battery Disconnect, Charger Failure, Lamp Failure, Service Alarm, main voltage AC "ON", Charger High Rate. The unit shall be UL listed.

The unit shall be **Emergi-Lite Model - JC** \_\_\_\_\_.

## Unit Rating Chart

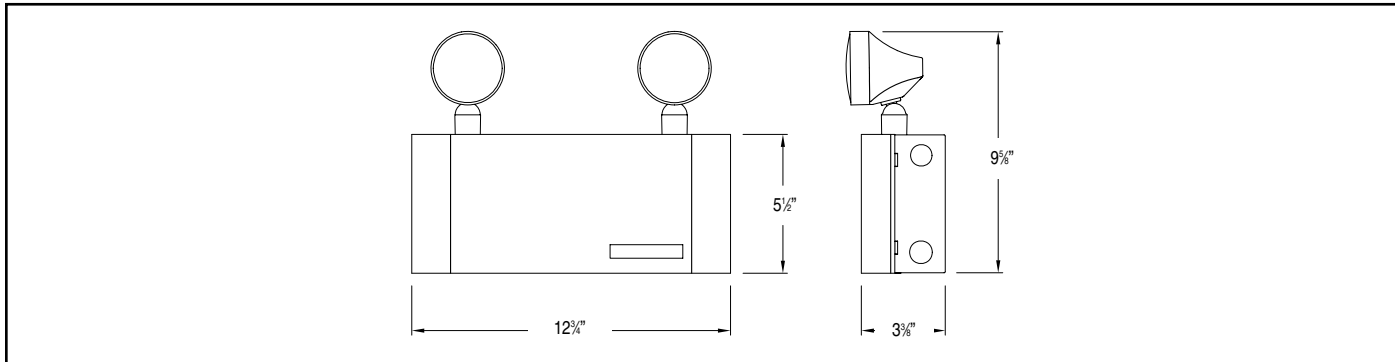
Furnished standard with two MR16 6V6W

| Battery Type   | Volts | Model # | Watts to 87.5% of rated battery voltage* |        |        |        |    |
|----------------|-------|---------|------------------------------------------|--------|--------|--------|----|
|                |       |         | 1 1/2 hrs.                               | 2 hrs. | 3 hrs. | 4 hrs. |    |
| Lead-Calcium   | 6     | JCM     | 18                                       | 12     | 10     | -      |    |
|                |       | JCM20   | 20                                       | 15     | 12     | -      |    |
|                |       | JCM27   | 27                                       | 18     | 15     | 9      |    |
|                |       | JCM30   | 30                                       | 20     | 18     | 10     |    |
|                |       | JCM36   | 36                                       | 27     | 20     | 12     |    |
|                |       | JCM40   | 40                                       | 30     | 24     | 15     |    |
| Nickel-Cadmium | 12    | 12JCM36 | 36                                       | 27     | 20     | 12     |    |
|                |       | 12JCM40 | 40                                       | 30     | 24     | 15     |    |
|                | 6     | JCC20   | 20                                       | 18     | 12     | -      |    |
|                |       | 12JCC36 | 36                                       | 24     | 15     | 12     |    |
|                |       | 12      | 12JCC50                                  | 50     | 36     | 24     | 18 |

\* National Electrical Code Specification

## Outline and Dimensions

Dimensions are approximate and subject to change without notice.



### Battery Warranty\*

**Sealed Lead-Calcium:** 3-year Full Warranty, plus 3-year pro rata warranty, 8-year life expectancy.

**Sealed Nickel-Cadmium:** 5-year Full Warranty, 7-year pro rata warranty, 15-year life expectancy.

### Unit Warranty\*

Unit equipment (except battery and lamps): 3-year limited warranty.

\*Subject to proper installation and maintenance

## Options

|                                        |                   |
|----------------------------------------|-------------------|
| <b>Description</b>                     | <b>Add Prefix</b> |
| Unit color in black.....               | -B                |
| <b>Description</b>                     | <b>Add Suffix</b> |
| Advanced Diagnostics .....             | -AD               |
| Advanced Diagnostics, Non-Audible..... | -ADNA             |

## How To Order

Example: JCM18-210MI

| Color                                                                    | D.C. Voltage/Capacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Number of heads                                                       | Head Style                         | Lamp Type                                                                                                                                  | Options                                                                              |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>Blank</b> = Off white enamel finish<br><b>B</b> = Black enamel finish | <b>JCM18</b> = 6V - 18W, lead calcium<br><b>JCM20</b> = 6V - 20W, lead calcium<br><b>JCM27</b> = 6V - 27W, lead calcium<br><b>JCM30</b> = 6V - 30W, lead calcium<br><b>JCM36</b> = 6V - 36W, lead calcium<br><b>JCM40</b> = 6V - 40W, lead calcium*<br><b>12JCM36</b> = 12V - 36W, lead calcium<br><b>12JCM40</b> = 12V - 40W, lead calcium<br><b>JCC20</b> = 6V - 20W, Ni-cad<br><b>12JCC36</b> = 12V - 36W, Ni-cad<br><b>12JCC50</b> = 12V - 50W, Ni-cad<br><br>*Not available with AD/ADNA Option | <b>-0</b> = no heads<br><b>-1</b> = One Head<br><b>-2</b> = Two Heads | <b>10</b> = EF10 mini plastic MR16 | <b>MH</b> = 6V5W<br><b>MI</b> = 6V6W<br><b>MJ</b> = 6V10W<br><b>MK</b> = 12V12W<br><b>MA</b> = 12V20W<br><b>MW</b> = 12V20W<br>High Output | <b>-AD</b> = Advanced Diagnostics<br><b>-ADNA</b> = Advanced Diagnostics non-audible |