

# Bias Power BPWX Extended Temperature

90 to 308 VAC Modular Switching Power Supplies

-40° to 85°C Starting and Operating Temperature



2-watt, actual size

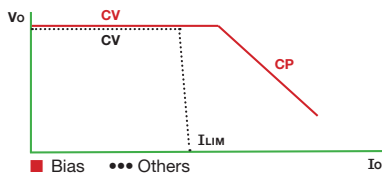
## Typical Dimensions: LxWxH

**B** 34.3 x 27.7 x 14.7mm /  
1.35 x 1.09 x 0.58 in

**C** 48.3 x 33.3 x 19.8mm /  
1.90 x 1.31 x 0.78 in

## Ultra-Compact ½, 1, 2 and 4 Watt Models

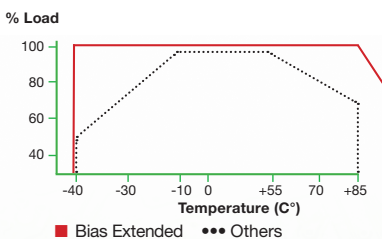
- Constant Voltage/Constant Power application flexibility



- EN 55022
- FCC Part 15, Class B
- UL, CE and RoHS

## Starting and Operating Temperature:

- Full power, no derating -40° to 85°C



- Isolation: 3,000 VAC
- Encapsulated drop-In solution

Addressing the North American 277 VAC commercial lighting standard

| Input Voltage:<br>90-308 VAC<br>Part Number | Output<br>Power<br>Watts | Output<br>Voltage<br>Vo | Output<br>Current<br>Io | Output<br>Voltage<br>Vr | Output<br>Current<br>Ir | Dimensions |
|---|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------|
| BPWX 0.5-05-00                              | 0.5                      | 5                       | 0.093                   | -                       |                         | A          |
| BPWX 0.5-05-33                              | 0.5                      | 5                       | 0.093                   | 3.3                     | 0.093                   | A          |
| BPWX 0.5-08-00                              | 0.5                      | 8                       | 0.058                   | -                       |                         | A          |
| BPWX 0.5-08-33                              | 0.5                      | 8                       | 0.058                   | 3.3                     | 0.049                   | A          |
| BPWX 0.5-08-50                              | 0.5                      | 8                       | 0.058                   | 5                       | 0.058                   | A          |
| BPWX 0.5-12-00                              | 0.5                      | 12                      | 0.039                   | -                       |                         | A          |
| BPWX 0.5-12-33                              | 0.5                      | 12                      | 0.039                   | 3.3                     | 0.027                   | A          |
| BPWX 0.5-12-50                              | 0.5                      | 12                      | 0.039                   | 5                       | 0.033                   | A          |
| BPWX 0.5-14-00                              | 0.5                      | 14                      | 0.033                   | -                       |                         | A          |
| BPWX 0.5-14-33                              | 0.5                      | 14                      | 0.033                   | 3.3                     | 0.021                   | A          |
| BPWX 0.5-14-50                              | 0.5                      | 14                      | 0.033                   | 5                       | 0.026                   | A          |
| BPWX 0.5-24-00                              | 0.5                      | 24                      | 0.019                   | -                       |                         | A          |
| BPWX 0.5-24-33                              | 0.5                      | 24                      | 0.019                   | 3.3                     | 0.019                   | B          |
| BPWX 0.5-24-50                              | 0.5                      | 24                      | 0.019                   | 5                       | 0.019                   | B          |
| BPWX 1-05-00                                | 1                        | 5                       | 0.185                   | -                       |                         | A          |
| BPWX 1-05-33                                | 1                        | 5                       | 0.185                   | 3.3                     | 0.136                   | A          |
| BPWX 1-08-00                                | 1                        | 8                       | 0.116                   | -                       |                         | A          |
| BPWX 1-08-33                                | 1                        | 8                       | 0.116                   | 3.3                     | 0.049                   | A          |
| BPWX 1-08-50                                | 1                        | 8                       | 0.116                   | 5                       | 0.077                   | A          |
| BPWX 1-12-00                                | 1                        | 12                      | 0.077                   | -                       |                         | A          |
| BPWX 1-12-33                                | 1                        | 12                      | 0.077                   | 3.3                     | 0.077                   | B          |
| BPWX 1-12-50                                | 1                        | 12                      | 0.077                   | 5                       | 0.077                   | B          |
| BPWX 1-14-00                                | 1                        | 14                      | 0.066                   | -                       |                         | A          |
| BPWX 1-14-33                                | 1                        | 14                      | 0.066                   | 3.3                     | 0.066                   | B          |
| BPWX 1-14-50                                | 1                        | 14                      | 0.066                   | 5                       | 0.066                   | B          |
| BPWX 1-24-00                                | 1                        | 24                      | 0.039                   | -                       |                         | A          |
| BPWX 1-24-33                                | 1                        | 24                      | 0.039                   | 3.3                     | 0.039                   | B          |
| BPWX 1-24-50                                | 1                        | 24                      | 0.039                   | 5                       | 0.039                   | B          |
| BPWX 2-05-00                                | 2                        | 5                       | 0.370                   | -                       |                         | B          |
| BPWX 2-05-33                                | 2                        | 5                       | 0.370                   | 3.3                     | 0.370                   | B          |
| BPWX 2-08-00                                | 2                        | 8                       | 0.231                   | -                       |                         | B          |
| BPWX 2-08-33                                | 2                        | 8                       | 0.231                   | 3.3                     | 0.148                   | B          |
| BPWX 2-08-50                                | 2                        | 8                       | 0.231                   | 5                       | 0.231                   | B          |
| BPWX 2-12-00                                | 2                        | 12                      | 0.154                   | -                       |                         | B          |
| BPWX 2-12-33                                | 2                        | 12                      | 0.154                   | 3.3                     | 0.080                   | B          |
| BPWX 2-12-50                                | 2                        | 12                      | 0.154                   | 5                       | 0.099                   | B          |
| BPWX 2-14-00                                | 2                        | 14                      | 0.132                   | -                       |                         | B          |
| BPWX 2-14-33                                | 2                        | 14                      | 0.132                   | 3.3                     | 0.065                   | B          |
| BPWX 2-14-50                                | 2                        | 14                      | 0.132                   | 5                       | 0.077                   | B          |
| BPWX 2-24-00                                | 2                        | 24                      | 0.077                   | -                       |                         | B          |
| BPWX 2-24-33                                | 2                        | 24                      | 0.077                   | 3.3                     | 0.033                   | B          |
| BPWX 2-24-50                                | 2                        | 24                      | 0.077                   | 5                       | 0.036                   | B          |
| BPWX 4-05-00                                | 4                        | 5                       | 0.740                   | -                       |                         | C          |
| BPWX 4-05-33                                | 4                        | 5                       | 0.740                   | 3.3                     | 0.408                   | C          |
| BPWX 4-08-00                                | 4                        | 8                       | 0.463                   | -                       |                         | C          |
| BPWX 4-08-33                                | 4                        | 8                       | 0.463                   | 3.3                     | 0.148                   | C          |
| BPWX 4-08-50                                | 4                        | 8                       | 0.463                   | 5                       | 0.231                   | C          |
| BPWX 4-12-00                                | 4                        | 12                      | 0.308                   | -                       |                         | C          |
| BPWX 4-12-33                                | 4                        | 12                      | 0.308                   | 3.3                     | 0.080                   | C          |
| BPWX 4-12-50                                | 4                        | 12                      | 0.308                   | 5                       | 0.099                   | C          |
| BPWX 4-14-00                                | 4                        | 14                      | 0.265                   | -                       |                         | C          |
| BPWX 4-14-33                                | 4                        | 14                      | 0.265                   | 3.3                     | 0.065                   | C          |
| BPWX 4-14-50                                | 4                        | 14                      | 0.265                   | 5                       | 0.077                   | C          |
| BPWX 4-24-00                                | 4                        | 24                      | 0.154                   | -                       |                         | C          |
| BPWX 4-24-33                                | 4                        | 24                      | 0.154                   | 3.3                     | 0.033                   | C          |
| BPWX 4-24-50                                | 4                        | 24                      | 0.154                   | 5                       | 0.036                   | C          |

Data is for 50 Hz input.