

# ON LINE, 100 WATTS PFC BBU100 & BBU100M SERIES UNINTERRUPTABLE POWER SUPPLY FOR MEDICAL AND INDUSTRIAL APPLICATION



## DESCRIPTION

BBU100 & BBU100M series is a battery backup power supply. This product adds a battery backup capability to the existing DZ100 and DZ100M series product line providing a different dc output voltage. Nickel metal hydride battery

## FEATURES

- EMI FCC Class B
- Power Factor Correction
- No Minimum Load Required
- Single and multiple outputs
- Universal Input 90 VAC to 264VAC
- High Efficiency
- 100% Cycling On-Off Burn-In Test
- Overload, Short Circuit and Over Voltage Protection
- LED & Audio Indicator
- Additional Battery, if need addition backup time

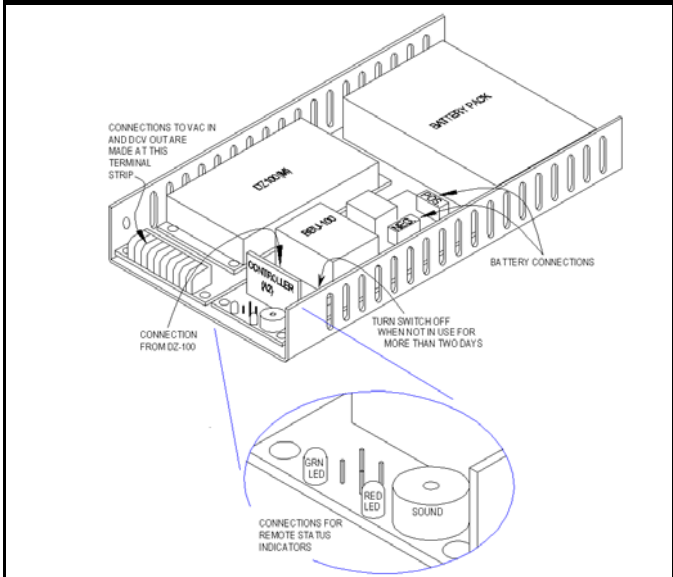
## APPLICATIONS

- Alarm Systems
- Telecommunication
- Medical Equipment and Devices
- Industrial Control
- Process Control
- Robotic System
- Instrumentation
- Security Equipment

## GENERAL SPECIFICATIONS

|                               |                            |
|-------------------------------|----------------------------|
| Input Voltage.....            | 90VAC to 264VAC            |
| Input Frequency.....          | 47Hz to 63Hz               |
| Inrush Current (cold).....    | <50A @ 220VAC              |
|                               | 25°C                       |
| Operating Temperature.....    | 0 to 40°C                  |
| Storage Temperature.....      | (w/o battery)-20°C to 85°C |
| Cooling.....                  | <100W Air Convection       |
|                               | >130W 18 CFM min.          |
| Efficiency.....               | 85-90% Typical             |
| Oversvoltage Type.....        | Latch Off                  |
| Overload Protection.....      | Auto Recovery              |
| Short Circuit Protection..... | Auto Recovery              |
| Safety.....                   | UL 60950, UL 2601-1        |
|                               | CSA 22.2 #234,#601-1       |
|                               | EN60950, EN6060-1          |
| EMI.....                      | FCC "B"                    |
|                               | EN61000-4-2,-3,-4          |
|                               | -5,-6,-8,-11               |
| Harmonics.....                | EN61000-3-2, LAS A         |

## MECHANICAL SPECIFICATIONS



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Dimension Shown in IN

Chassis Size:  
6 0" x 10 6" x 1 6"  
(152mm x 269 2mm x 40 6mm)

Input, Output Connectors:  
AC Input, DC Output Terminal Block 3PCV-10 or equivalent

## MODEL NUMBER & OUTPUT SPECIFICATIONS

### INDUSTRIAL APPLICATION

| Model     | Watts | Voltage (Vdc) | Load (A) |      |      |
|-----------|-------|---------------|----------|------|------|
|           |       |               | Min.     | Rate | Max. |
| BBU100-6  | 100   | +5V           | 0        | 20   | 26   |
| BBU100-7  | 100   | +12V          | 0        | 9    | 11.0 |
| BBU100-8  | 100   | +15V          | 0        | 7    | 8.7  |
| BBU100-9  | 100   | +24V          | 0        | 4.5  | 5.4  |
| BBU100-14 | 100   | +48V          | 0        | 2.3  | 2.7  |
| BBU100-2  | 100   | +5V           | 0        | 11.5 | 15   |
|           |       | +12V          | 0        | 3    | 5    |
|           |       | -12V          | 0        | 0.5  | 1    |
|           |       |               |          |      |      |
| BBU100-19 | 100   | +3.3V         | 0        | 10   | 15   |
|           |       | +5V           | 0        | 8    | 10   |
|           |       | +12V          | 0        | 0.5  | 1    |
| BBU100-18 | 100   | +3.3V         | 0        | 25.0 | 30   |
| BBU100-3  | 100   | +5V           | 0        | 7.0  | 10   |
|           |       | +12V          | 0        | 8.0  | 10   |

Detailed Electrical specification, please refer to DZ100 Series.

### MEDICAL APPLICATION

| Model      | Watts | Voltage (Vdc) | Load (A) |      |      |
|------------|-------|---------------|----------|------|------|
|            |       |               | Min.     | Rate | Max. |
| BBU100M-6  | 100   | +5V           | 0        | 20   | 26   |
| BBU100M-7  | 100   | +12V          | 0        | 9    | 11.0 |
| BBU100M-8  | 100   | +15V          | 0        | 7    | 8.7  |
| BBU100M-9  | 100   | +24V          | 0        | 4.5  | 5.4  |
| BBU100M-14 | 100   | +48V          | 0        | 2.1  | 2.7  |
| BBU100M-2  | 100   | +5V           | 0.5      | 10   | 15   |
|            |       | +12V          | 0        | 3    | 4.1  |
|            |       | -12V          | 0        | 0.8  | 1.1  |
| BBU100M-10 | 100   | +5V           | 0.5      | 10   | 15   |
|            |       | +15V          | 0        | 2.5  | 4.1  |
|            |       | -15V          | 0        | 0.8  | 1.1  |
| BBU100M-4  | 100   | +28V          | 0        | 3.8  | 4.65 |

Detailed Electrical specification, please refer to DZ100M Series.