



FTB080 Series

65 - 100 W ITE Open Frame Power Supply

- High Efficiency: Level V
- High Power Density 12.5W/in³
- Output Grounded
- Lifetime Expectation >5 years
- Hold-up Time 28ms at full load
- EN60950-1 Class I

| Elpac Part Number | Output Voltage | Output Current | Peak Current | Total Regulation | Typical Efficiency |
|-------------------|----------------|----------------|--------------|------------------|--------------------|
| FTB080009A | 9.0V | 7.2A (65W) | 10.0A (90W) | ±5% | 88% |
| FTB080012A | 12.0V | 6.7A (80W) | 8.3A (100W) | ±5% | 90% |
| FTB080015A | 15.0V | 3.4A (80W) | 4.2A (100W) | ±5% | 90% |
| FTB080024A | 24.0V | 3.4A (80W) | 4.2A (100W) | ±5% | 91% |

| Input | |
|-----------------------------|---|
| Input Voltage | 85 - 264VAC 100 - 240VAC Nominal |
| Input Frequency | 47 - 63Hz |
| Input Current | <2A rms |
| Inrush Current | <37A at 230VAC cold start |
| Zero Load Power Consumption | <0.3W |
| Earth Leakage Current | <75µA @ 132VAC @ 60Hz <120µA @ 264VAC @ 60Hz |

| Output | |
|------------------|--------------------------|
| Output Voltage | See Table |
| Total Regulation | +/-5% |
| Minimum Load | No minimum load required |

| | |
|-----------------------------|--|
| Start-Up Delay | >0.2s |
| Hold-Up Time | >28ms at full load |
| Ripple & Noise | <1% pk-pk ** |
| Over Voltage Protection | 120-150% |
| Over Temperature Protection | Active - Recoverable; plus Passive - Non Recoverable |
| Over Current Protection | 110 - 190% |
| Short Circuit Protection | shutdown, auto-restart (hiccup mode) |

General

| | |
|---------------|---|
| Efficiency | Avg Efficiency 89.6% @ 115VAC; 90.3% @ 230VAC |
| MTBF | min. 200,000 hours demonstrated |
| Size | 4.00 |
| Weight | 0.37 lbs (.166 kg) |
| Power Density | 12.5W/in ³ |

Environmental

| | |
|-----------------------|---|
| Operating Temperature | 0 – 50°C (Full load to 50°C, derate linearly to 50% load at 70°C) |
| Storage Temperature | -40°C to +85°C |
| Relative Humidity | 5-95%, non-condensing |
| Cooling | Natural Convection |
| Vibration | All units production tested to 19.6m/s ² |

EMC & Safety

| | |
|------------------------------------|--|
| Emissions | FCC class B, CISPR22 class B EN61000-3-2, -3 |
| Immunity | EN61000-4-2, -3, -4, -5, -6, -8, -11 |
| Certified by TUV to the following: | cTUVus UL 60950-1 CAN/CSA-22.2 No.60950-1 CB per IEC60950-1 CE marked to LVD |





FTB080 | ICCNEXERGY | © 2011 |