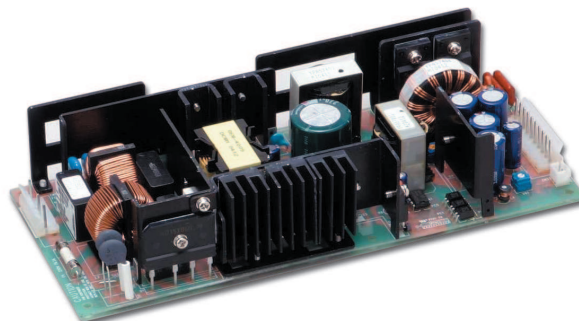


100W to 440W Dual Output Power Supplies

Features

- ◆ Universal Input (85 - 265VAC)
- ◆ Power factor Corrected
- ◆ 200% Peak Power capability on 24V output
- ◆ Individual output adjustment
- ◆ 2 year warranty
- ◆ Input Transient Protected



Key Market Segments & Applications



| Specifications | | | | |
|----------------------------|-----|--|----------------------|-----------------------|
| Model | | ZWD100PAF-0524 | ZWD150PAF-0524 | ZWD225PAF-0524 |
| Input Voltage | - | 85-265VAC (47-63Hz), 120-370VDC | | |
| Input Current (1) | A | 1.3 / 0.65 | 1.9 / 0.97 | 2.81 / 1.43 |
| Inrush Current (1)(2) | A | 15 / 30 | | |
| Power Factor | - | 0.99 at 100VAC, 0.95 at 200VAC, Meets EN61000-3-2 | | |
| Leakage Current | mA | 0.75mA max | | |
| Temperature Coefficient | - | <0.02%/°C | | |
| Overcurrent Protection (3) | - | 5V output: >105%, 24V output: >205% | | |
| Overvoltage Protection (4) | V | 120 - 145% | | |
| Hold Up Time (Typ) (1) | ms | 5V output: 40ms, 24V output: 20ms | | |
| Efficiency (2) | % | 79 / 81 | 80 / 82 | 81 / 83 |
| Remote On/Off | - | On 24V output only, remove jumper to shutdown | | |
| Line Regulation | mV | 5V output: 20mV, 24V output: 96mV | | |
| Load Regulation | mV | 5V output: 40mV, 24V output: 150mV | | |
| Ripple & Noise | mV | 5V output: 120mV, 24V output: 100mV, 150mV; 150/225W, 240mV | | |
| Operating Temperature | - | (Open frame or L bracket) -10°C to +70°C, derate linearly to 0% load from 50°C to 70°C | | |
| Operating Temperature | - | (With /A cover option) -10°C to +60°C, derate linearly to 0% load from 40°C to 60°C | | |
| Storage Temperature | - | -30 to +85°C | | |
| Humidity (non condensing) | - | Operating: 20 - 90%RH, Non-operating: 10 - 95% RH | | |
| Cooling | - | Convection cooled | | |
| Withstand Voltage | - | I/P to Gnd 2kVAC (20mA), I/P to O/P 3kVAC (20mA), O/P to Gnd 500VAC (100mA) for 1 min. | | |
| Isolation Resistance | - | >100M at 25°C & 70%RH, Output to Ground 500VDC | | |
| Vibration (non operating) | - | 10 - 55Hz (1 minute sweep), 19.6m/s ² constant X, Y, Z 1 hour | | |
| Shock | - | < 196.1 m/s ² | | |
| Safety Agency Approvals | - | UL60950-1, CSA60950-1, EN60950-1, EN50178, CE Mark | | |
| Conducted & Radiated EMI | - | EN55022-B, FCC Class B, VCCI-B | | |
| Recommended EMI Filter | - | RSEL-2002W | RSEL-2003W | RSEL-2006W |
| Immunity | - | EN61000-4-2, -3, -4, -5, -6, -8, -11 | | |
| Weight (Typ) | g | 460 (780 with cover) | 530 (885 with cover) | 670 (1065 with cover) |
| Size (WxHxD) | in | 2.95 x 8.74 x 1.38 | 3.35 x 8.74 x 1.57 | 3.74 x 8.74 x 1.77 |
| Warranty | yrs | Two Years | | |

Notes: See installation manual for full specification.

- (1) 100/200VAC
- (2) 25°C ambient (cold start)
- (3) Avoid prolonged operation in overload
- (4) OVP on 24V output will shutdown 24V output only

