



ELPAC FWA020 SERIES CLASS II

20 Watt
ITE Desktop Power Supply

- High Efficiency
- Fully Regulated DC Output
- 5-Year Limited Warranty
- Hold-up Time >16ms at full load
- Safety Approval-EN60950-1 Class II
- Level VI, EuP Directive Compliant
- LED Indicator



| INPUT | |
|---------------------------------|-------------------------------------|
| Input Voltage | 85 – 264VAC 100 – 240VAC Nominal |
| Input Frequency | 47 – 63Hz |
| Input Current | <0.3A rms |
| Inrush Current | <50A at 230VAC cold start |
| Zero Load Power Consumption | <0.10W |
| Earth Leakage Current (Typical) | <40µA @ 132VAC @ 60Hz |
| | <60µA @ 264VAC @ 60Hz |

Notes

**Ripple and noise measured with 20MHz bandwidth; 10µF tantalum capacitor in parallel with a 0.1µF ceramic capacitor.

| OUTPUT | |
|-----------------------------|---|
| Output Voltage | See Table |
| Total Regulation | +/-5% |
| Minimum Load | No minimum load required |
| Start-Up Delay | <1.5s |
| Hold-Up Time | >16ms at any input voltage |
| Ripple & Noise | <1% pk-pk ** |
| Over Voltage Protection | 112 – 135% |
| Over Temperature Protection | Active - Recoverable; plus Passive - Non Recoverable |
| Over Current Protection | 108 – 160% |
| Short Circuit Protection | Shutdown, auto-restart (hiccup mode) |

ELPAC FWA020 SERIES - CLASS II

20 Watt

ITE Desktop Power Supply



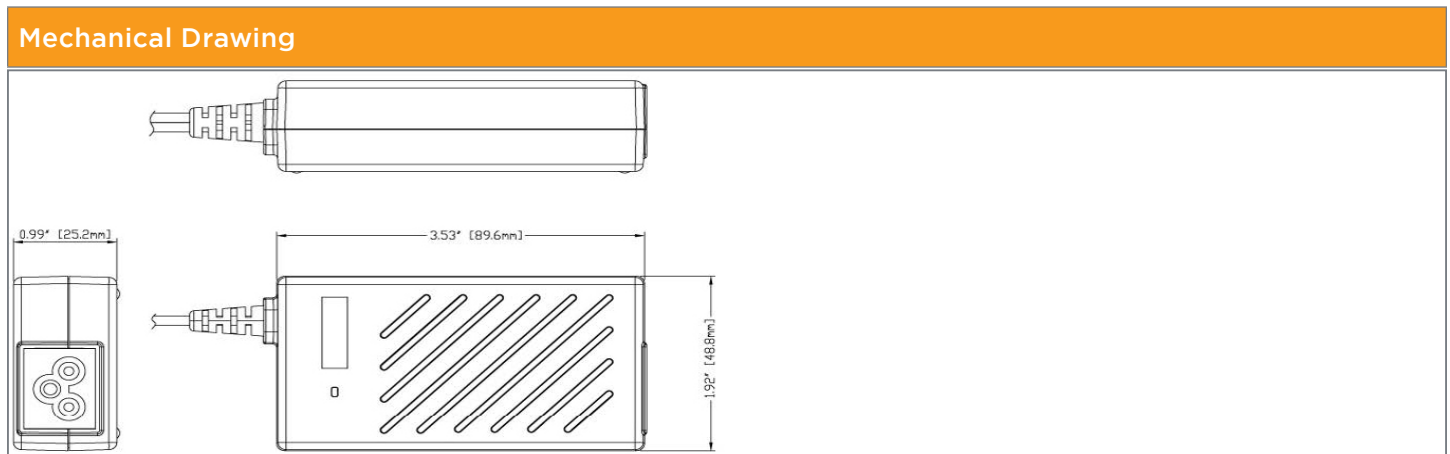
| Model Number* | Output Voltage | Output Current | Peak Current | Total Regulation | Typical Efficiency |
|------------------|----------------|----------------|--------------|------------------|--------------------|
| FWA020005B-10A** | 5.0V | 4.0A | 4.8A | ±5% | 80% |
| FWA020012B-10A | 12.0V | 1.67A | 2.0A | ±5% | 88% |
| FWA020024B-10A | 24.0V | 0.84A | 1.0A | ±5% | 87% |

*AC cord not included - AC cord part number 67400-242-AB can be ordered separately

**5V unit is not level VI compliant

| General | | Environmental | | EMC & Safety | |
|---------------|--|-----------------------|---|------------------------------------|--|
| Efficiency | Avg. Efficiency 83.4% @ 115VAC; 82.8% @ 230VAC | Operating Temperature | 0 – 60°C (Full load to 40°C, derate linearly to 50% load at 60°C) | Emissions | FCC class B, CISPR22 class B EN61000-3-2, -3 |
| MTBF | min. 200,000 hours demonstrated | Storage Temperature | -40°C to +85°C | Immunity | EN61000-4-2, -3, -4, -5, -6, -11 |
| Size | 3.53" (89.6mm) x 1.92" (48.8mm) x 0.99" (25.2mm) | Relative Humidity | 5-95%, non-condensing | Certified by TUV to the following: | cTUVus |
| Weight | 5V 0.4lbs (0.2Kg); 24V 0.3 lbs (0.16Kg) | Cooling | Natural Convection | | UL 609501 |
| Power Density | 3.0 W/in ³ | Vibration | All units production tested to 19.6m/s ² | | CAN/CSA-22.2 No. 950 |
| | | | | | CB per IEC60950-1 |
| | | | | | CE marked to LVD & EMC Directive |

| Input Configuration | | Output Configuration | | Output Pin Assignments | |
|---------------------------------|--|-----------------------|--|------------------------|--------|
| Standard Input Cable | Not Provided - Available Separately (p/n 67400-242-AB) | Standard Output Cable | 6 ft. | Center | +V1 |
| Connection on Power Supply Body | IEC 320 C8 Receptacle | Cord Size | 16awg zip (5V); 18awg zip (12V); 20awg zip (24V) | Outside | Return |
| | | Connector (PSU side) | Switchcraft 760 or equivalent | | |
| | | Mating Connector | Switchcraft 712A or equivalent | | |



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Inventus Power:](#)

[FWA020024B-10A](#) [FWA020012B-10A](#) [FWA020005B-10A](#)