



FWA020 Class II 20 Watt ITE Desktop Power Supply

- High Efficiency
- Fully Regulated DC Output
- 5-Year Limited Warranty
- Hold-up Time>18ms at full load
- Safety Approval-EN60950-1 Class II
- Level V, EuP Directive Compliant
- LED Indicator

Elpac Part Number	Output Voltage	Output Current	Peak Current	Total Regulation	Typical Efficiency
FWA020005B-10B	5.0V	4.0A	4.2A	+/-5%	80%
FWA020009B-10B	9.0V	2.22A	2.3A	+/-5%	83%
FWA020012B-10B	12.0V	1.67A	1.75A	+/-5%	84%
FWA020024B-10B	24.0V	0.84A	0.87A	+/-5%	86%

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

Output	
Output Voltage	See Part Number Table
Total Regulation	+/-5%
Minimum Load	No minimum load required
Start-Up Delay	<1.5s
Hold-Up Time	>18ms 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 Protetion 108% - 160%

Short Circuit Protection Shutdown, auto-restart (hiccup mode)

General

Efficiency Avg Efficiency 83.4% at 115VAC; 82.8% @ 230VAC

MTBF min. 200,000 hours demonstrated

Size 3.45" (87.7mm) x 2.04" (5.18mm) x 1.30" (33.0mm)

Weight 5V 0.4lbs (0.2Kg); 24V 0.3 lbs (0.16Kg)

Power Density 3.0 W/in³

Environmental

Operating Temperature $0-60^{\circ}$ C (Full load to 40° C, derate linearly to 50% load at 60° 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/s2

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.950

CB per IEC60950-1

CE marked to LVD & EMC Directive

Input Configuration

Standard Input Cable 6 ft cable with US standard (Nema 1-15) 2 prong connector

Connection on Power Supply Body IEC 320 C8 Receptacle

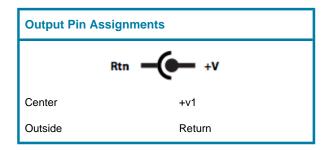
Output Configuration

Standard Output Cable 6 ft.

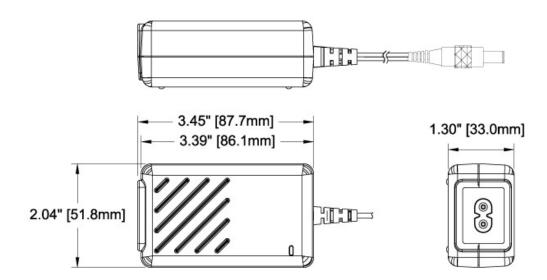
Cord Size 16AWG zip (5V, 9V)
18AWG zip (12V)
20AWG zip (24V)

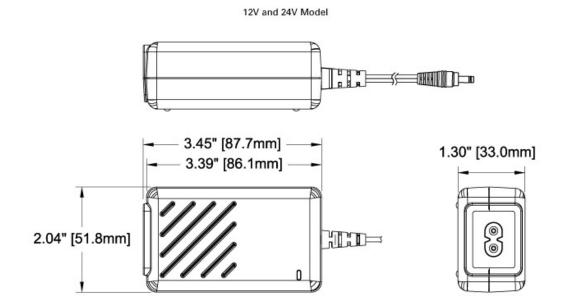
Connector (PSU side) Switchcraft 760 or equivalent

Mating Connector Switchcraft 712A or equivalent



5V and 9V Model





Inventory Results For FWA020 Class II

Part Number	Distributor	Quantity	Inv. Date
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