



# 3DC Series 36 to 48 Watt Desktop Power Adapters



- 3-pin IEC inlet
- 90 to 264 VAC input
- High reliability
- Low ripple and noise
- Over voltage protection
- Over load protection
- Short circuit protection
- 4.65" x 2.32" x 1.38" case
- High volume @ very low cost

Product No.	Model No.	Output Voltage	Output Current	Ripple & Noise	Efficiency
3DC-12-36	FSP036-10ADM	12VDC	0-3A	180mV	80%
3DC-12-48	FSP048-10ADM	12VDC	0-4A	180mV	80%

## SPECIFICATIONS All Specifications are typical at nominal input, full load @ 25°C unless otherwise stated.

### Input Voltage

90VAC to 264VAC full range, 47Hz to 63Hz

### AC Inlet

IEC320/C14, 3-prong male

### DC Output

See table

### DC Output Plug

5.5 x 2.5 x 10 mm female barrel, center positive.

Contact factory for other types.

### LED Indicator

Green - operating; Blinking - protection mode

### Inrush Current

15A peak max. @115VAC;

30A peak max. @230VAC, cold start @25°C

### Input Current

1.5A RMS max. @115VAC

0.8A RMS max. @230VAC

### Line Regulation

±1%

### Load Regulation

±5%

### Ripple and Noise

See table

### Efficiency

See table

### Transient Response

Output recovers in less than 1ms following a 25% load change

### Over Voltage Protection

Set @ 112% to 160% of the nominal output

### Over Load Protection

Set @ 110% to 130% of the rated max. load

### Short Circuit Protection

Output short circuit (load < 0.1 ohm) protected, auto-recovery

### Hold-up Time

9ms min. @ full load, 115VAC/60Hz

### Temperature Range

Operating: 0°C to +40°C

Storage: -30°C to +80°C

### Temperature Coefficient

±0.04%/°C max.

### Relative Humidity

5% to 95% RH, non-condensing

### Agency Approvals

UL1950, CSA 22.2 No. 950, TUV IEC950/EN60950, NEMKO, CB, CE

### EMI Standards

FCC Class B, CISPR 22 (EN55022) Class B

### MTBF

>100K hours per MIL-HDBK-217F @25°C, full load

### Case Material

Black plastic, UL94V-0 rated

### Weight

11.5 oz.

#3DC-1101