



### **External Power Supplies – Single Output: 6-100W**

Listed below is our most popular commercial grade (UL 1950) single output AC DC power supplies are for designers who want to take DC power into their system and then regulate the power on-board to generate the voltages they need.



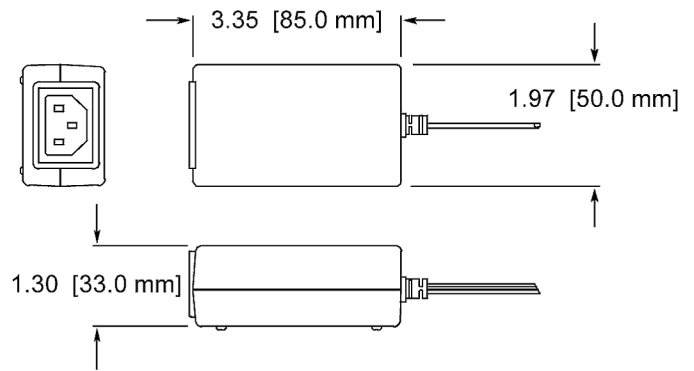
- Commercial Grade (UL 1950)
- Single Output
- 6-100 Watts
- Various Models Available in Fast Track Program

**Model Numbers:**

Model/Series	Volts	Input AC	Power (Watts)	Fast Track	Power Supply Type	PFC	CEC	RoHS	Class	
FW18	5,12,18,24	100-240	18	Yes	Switching  Regulated	No	No	Yes	I	
FWC18	5,12,18,24	85-264	18	Yes	Switching  Regulated	No	Yes	Yes	I	

# FW18 series

## 18 Watt AC Adapter



### Features

- Wide range AC input
- Fully regulated output
- High efficiency
- 5 year warranty
- RoHS compliant version available

### Environmental

- Operating temperature..... 0° C to 40° C
- Storage temperature..... -55° C to 85° C
- Weight = 0.7 lbs

### EMI

Meets FCC class B, CISPR 22 class B

### Safety

- UL           UL1950
- cUL         CSA 22.2 NO. 950
- Nemko      EN 60950
- CE           Marked

### Polarity



### Ordering Information

- FW = Series
- 18 = Watts DC Output
- XX = Voltage DC Output
- 760 = Output Connector (options available)
- F = RoHS Compliant
- NC = No AC input Cord (options available)

### Electrical Specifications

#### Input

- Voltage..... 100 - 240 VAC
- Current..... 0.5 Amp @ 100 VAC
- Frequency..... 47 - 63 Hz
- AC cord..... Optional
- Input connector..... 3 Pin IEC 320 input receptacle

#### Output

- Line regulation..... TYP +/- 1%
- Load regulation..... TYP +/- 5%
- Set point..... +/- 3% at 60% load
- Hold up time..... 20 ms min at full load, 115 VAC
- Over voltage protection..... Built-in
- Over current protection..... Built-in
- Short circuit protection..... Pulsing mode, auto recovery
- Efficiency..... 80% nominal at full load and 115 VAC (12 VDC and higher)
- Transient response..... 2 ms for 50% load change typical
- Ripple/noise (V<sub>p-p</sub>)..... +/- 1% (20 MHz bandwidth)
- Output connector..... Barrel type (5.5 x 2.5 x 9.5 mm)

Model No.	Voltage	Power	Current
FW1805-760F	5V	15W	3.00A
FW1812-760F	12V	18W	1.50A
FW1818-760F	18V	18W	1.00A
FW1824-760F	24V	18W	0.75A