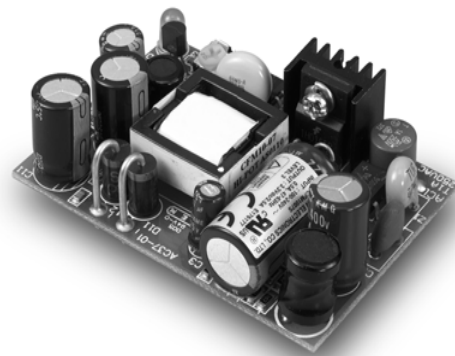




# AC10/15

## 10/15 WATT OPEN FRAME AC-DC MODULES



### Features

- Universal Input 85-264Vac
- Conductive EMI Meets CISPR/FCC Class B
- High Efficiency at 82% Typical
- PCB Mountable

### Specifications

#### INPUT CHARACTERISTICS:

Voltage .....85-264VAC  
 Frequency.....47-63Hz  
 Inrush Current.....20A Max. @ 115Vac  
 40A Max. @ 230Vac  
 Conducted EMI.....CISPR/FCC Class B  
 Isolation .....Input to Output=4,242Vdc  
 Leakage Current.....0.25mA max.

#### ENVIRONMENTAL CHARACTERISTICS:

Operating Temperature .....0°C ~ 40°C  
 Storage Temperature .....-20°C ~ 85°C  
 Cooling.....Free Air Convection

#### OUTPUT CHARACTERISTICS:

Holdup Time.....16mS typ. @ 115Vac  
 Short Circuit Protection.....Continuous  
 Temperature Coefficient.....0.05%/°C

#### MECHANICAL OUTLINE:

Dimensions ..... AC10: 65 x 45 x 23mm (2.56x1.77x0.91Inches)  
 AC15: 69.9 x 48 x 23mm (2.75x1.89x0.91Inches)  
 Weight ..... AC10: 60g  
 AC15: 80g

Typical at 25°C, nominal line and 75% load, unless otherwise Specified

### 10 Watt Series

| MODEL   | OUTPUT VOLTAGE | MAX. LOAD | MIN. LOAD | RIPPLE & NOISE | VOLTAGE ACCURACY | LINE REGULATION | LOAD REGULATION | EFF % |
|---------|----------------|-----------|-----------|----------------|------------------|-----------------|-----------------|-------|
| AC1001S | 5 V            | 2000mA    | 0A        | 1%             | ±1%              | ±0.5%           | ±1%             | 70    |
| AC1002S | 12 V           | 840mA     | 0A        | 1%             | ±1%              | ±0.5%           | ±1%             | 75    |
| AC1003S | 15 V           | 670mA     | 0A        | 1%             | ±1%              | ±0.5%           | ±1%             | 75    |
| AC1005S | 24 V           | 420mA     | 0A        | 1%             | ±1%              | ±0.5%           | ±1%             | 78    |
| AC1007S | 3.3 V          | 2500mA    | 0A        | 50mV           | ±1%              | ±0.5%           | ±1%             | 65    |
| AC1009S | 9 V            | 1120mA    | 0A        | 1%             | ±1%              | ±0.5%           | ±1%             | 72    |

### 15 Watt Series

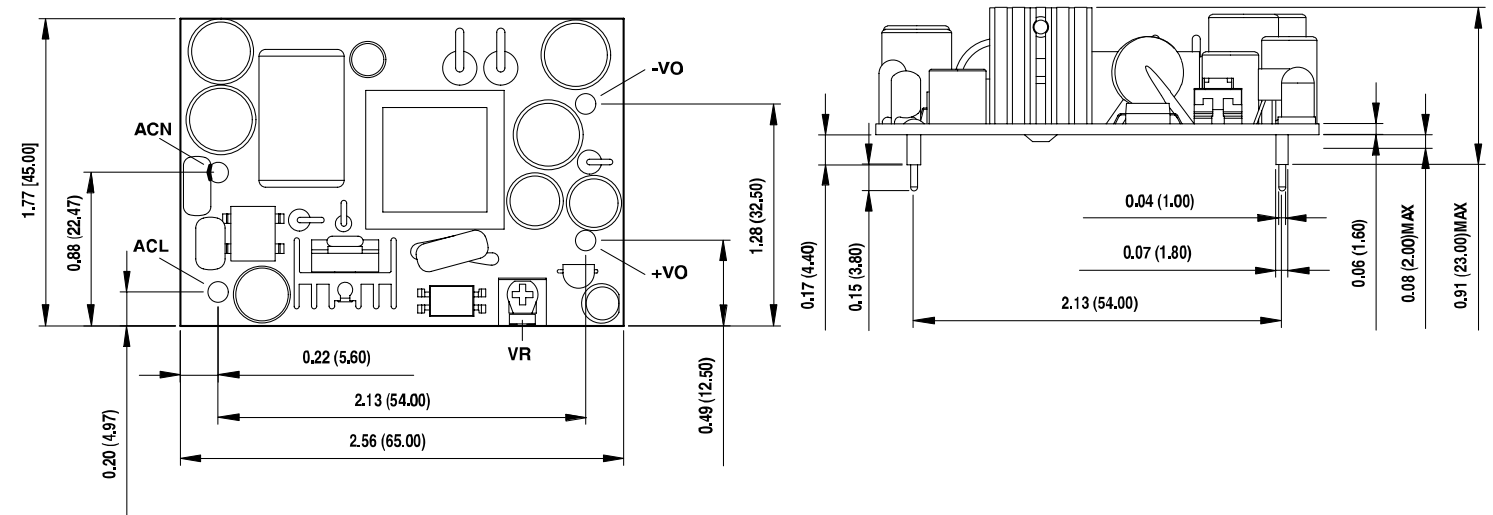
| MODEL   | OUTPUT VOLTAGE | MAX. LOAD | MIN. LOAD | RIPPLE & NOISE | VOLTAGE ACCURACY | LINE REGULATION | LOAD REGULATION | EFF % |
|---------|----------------|-----------|-----------|----------------|------------------|-----------------|-----------------|-------|
| AC1501S | 5 V            | 3000mA    | 0A        | 1%             | ±1%              | ±0.5%           | ±1%             | 73    |
| AC1502S | 12 V           | 1250mA    | 0A        | 1%             | ±1%              | ±0.5%           | ±1%             | 80    |
| AC1503S | 15 V           | 1000mA    | 0A        | 1%             | ±1%              | ±0.5%           | ±1%             | 80    |
| AC1505S | 24 V           | 630mA     | 0A        | 1%             | ±1%              | ±0.5%           | ±1%             | 82    |
| AC1507S | 3.3 V          | 3000mA    | 0A        | 50mV           | ±1%              | ±0.5%           | ±1%             | 70    |
| AC1509S | 9 V            | 1670mA    | 0A        | 1%             | ±1%              | ±0.5%           | ±1%             | 75    |

#### NOTE:

1. Add a 0.1µF ceramic capacitor and a 10µF E.L. capacitor to output for Ripple & Noise Measuring @ 20MHz BW.
2. Line Regulation is Measured from High Line to Low Line with Full Load.
3. Load Regulation is Measured from Full to 10% Load.

### 10 Watt Series

All Dimensions are In Inches(mm)  
 Tolerances: .xx±.02(.xx±.5) unless otherwise noted



### 15 Watt Series

