



2.99"W x 5.75"L x 1.69"H

- Universal 90-264VAC Input
- UL/cUL60601-1, EN60601-1
- Regulated Single Outputs
- 4000V Isolation
- IEC320-C14 Input
- LPS Efficiency Level V (9-36 Vout)



| Model Number         | Output Voltage | Output Amps | Regulation | Max. Output Watts | Output Connector |
|----------------------|----------------|-------------|------------|-------------------|------------------|
| <b>SINGLE OUTPUT</b> |                |             |            |                   |                  |
| AMP6301-02           | 5              | 9           | 7%         | 45W               | DIN              |
| AMP6301-03           | 7              | 7.85        | 7%         | 55W               | DIN              |
| AMP6301-04           | 9              | 6.44        | 5%         | 58W               | DIN              |
| AMP6301-05           | 12             | 5.25        | 5%         | 63W               | DIN              |
| AMP6301-06           | 15             | 4.2         | 5%         | 63W               | DIN              |
| AMP6301-07           | 18             | 3.5         | 5%         | 63W               | DIN              |
| AMP6301-08           | 24             | 2.62        | 3%         | 63W               | DIN              |
| AMP6301-09           | 30             | 2.1         | 3%         | 63W               | DIN              |
| AMP6301-10           | 36             | 1.75        | 3%         | 63W               | DIN              |

## INPUT SPECIFICATIONS

|                             |                            |
|-----------------------------|----------------------------|
| Input Voltage Range         | 90-264 VAC                 |
| Frequency Range             | 47-63 Hz                   |
| Leakage Current             | 0.1mA typ. @ 240VAC        |
| Input Current Lowline       | 1.62A                      |
| Input Current Highline      | 0.72A                      |
| Inrush Current Lowline      | 15A max.                   |
| Inrush Current Highline     | 30A max.                   |
| Power Consumption @ No Load | (Approved to CEC level IV) |
| 12-36 Vout:                 | 0.5W, max.                 |

## OUTPUT SPECIFICATIONS

|                              |                           |
|------------------------------|---------------------------|
| Voltage and Current          | See Selection Charts      |
| Load Regulation              | See Selection Charts      |
| Line Regulation              | ± 0.5%, typ (1% Max.)     |
| Ripple/Noise                 | 0.5% Pk-Pk, typ (1% Max.) |
| Hold Up Time                 | 16mS min. at 110VAC Input |
| Start Up Time                | 1S typ. (2S max.)         |
| Over Voltage Protection      | 112-132%                  |
| Over Current Protection      | 110-150%                  |
| Transient Response (FL-1/2L) | 4mS                       |
| Temperature Coefficient      | ±0.04%/°C, typ.           |

## GENERAL SPECIFICATIONS

|                      |                      |
|----------------------|----------------------|
| Isolation            | I/P-O/P: 5600VDC     |
|                      | I/P-GND: 2800VDC     |
| Isolation Resistance | 50MΩ                 |
| Efficiency           | 85% typ.             |
| Safety               | UL60601-1, EN60601-1 |

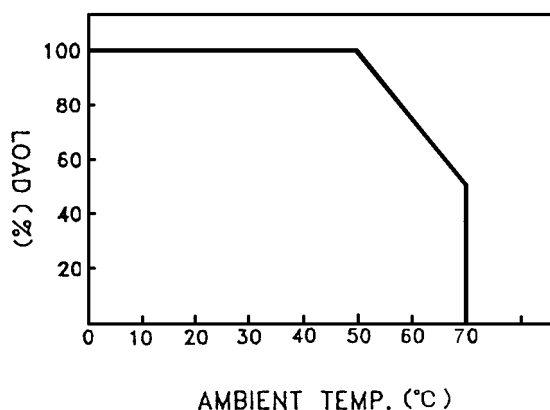
## PHYSICAL SPECIFICATIONS

|              |                          |
|--------------|--------------------------|
| Size         | 5.75"L x 2.99"W x 1.69"H |
| Construction | Desktop Style            |
| Weight       | 19.75oz (560g)           |

## ENVIRONMENTAL SPECIFICATIONS

|                     |                        |
|---------------------|------------------------|
| Oper. Temperature   | 0 to +70°C             |
|                     | See Derate Curve       |
| Storage Temperature | -40 to +85°C *         |
| Relative Humidity   | 5 to + 95%, non-cond * |
| MTBF: MIL-HDBK-217F | 100,000 Hrs.           |
| EMI                 | 220VAC in: CISPR-11B   |
|                     | 110VAC in: FCC-18B     |
| Efficiency Level    | V (9-36 Vout only)     |

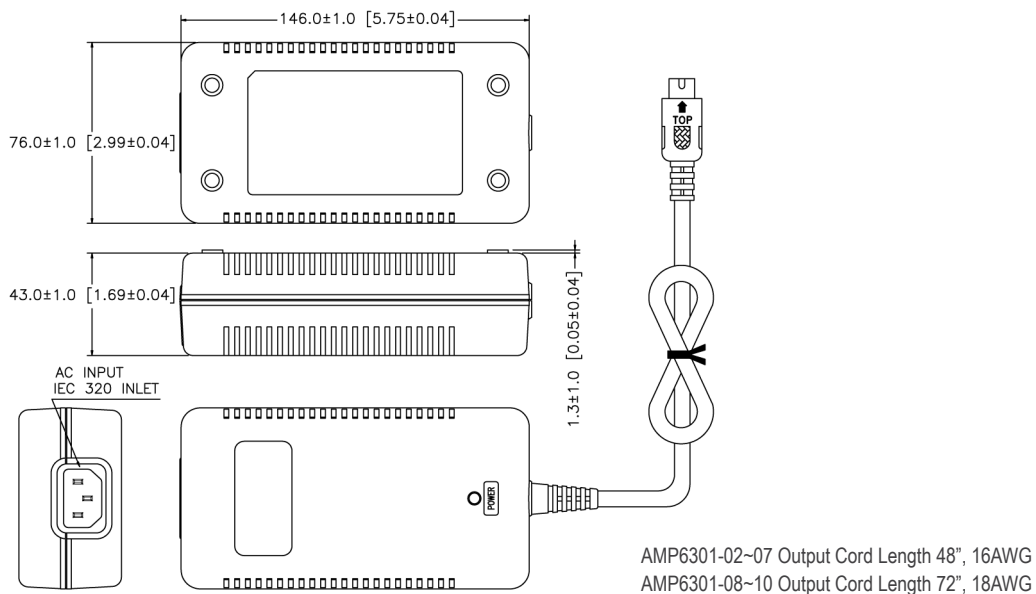
## OUTPUT DERATING CURVE



All specifications are typical at nominal input, full load, and 25°C unless otherwise noted

\* These are stress ratings. Exposure of the devices to any of these conditions may adversely affect long term reliability. Proper operation under conditions other than the standard operating conditions is neither warranted nor implied.

## MECHANICAL DIMENSIONS



## DC Output Connections

### DIN (Multi-Output Models)

5 Pin DIN



1. COM
  2. COM
  3. Output
  4. COM
  5. Output
- SHIELD = GND