

## 7-28 W, Industry's Smallest, Global Switchers

## General Specifications

**Input Current:** Maximum input current at minimum 120 VAC, 60 Hz with full rated output load is 0.6 A.

**Output Regulation:** Regulation from initial setpoint measured by changing load from 5% load to 50% load or 50% load to full load in either direction. Initial setpoint tolerance is measured at 50% load. A minimum load of 5% of the output current is required to maintain proper regulation.

**Overload Protection:** Fully protected against short circuit and output overload.

**Inrush Current:** Inrush is limited by internal thermistor.

**Temperature Range:** 0 to 50°C at full rated output power.

**Safety:** GSC models are in conformity with the applicable requirements of EN60950 following the provisions of the Low Voltage Directive 73/23/EEC. All GSC models are approved to UL1950, CSA22.2 No. 234 Level 3, IEC950, EN60950 and VDE 0805.

**7 W, World's Smallest. Overall Dimensions:** 2.28" x 2.00" x 0.563". **Weight:** 2.0 oz.

## Features

- World's Smallest Medically Approved 7 W Supply
- Wide Range AC Input (85-264 VAC)

## General Specifications (Continued)

**Earth Leakage Current:** Leakage current measured in the ground wire connection when measured per UL2601.

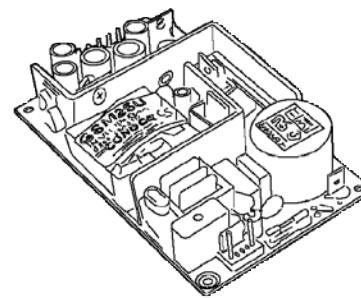
**Input Protection:** Internal AC fuse provided on all units.

**Hold-up Time:** 15 ms minimum from loss of AC.

**Output Noise:** 0.5% RMS, 1% pk-pk, 20 MHz bandwidth, differential mode. Measured with scope probe directly across output terminals of the power supply with load terminated with 0.1 pF capacitor.

**EMI Compliance:** All models include built-in EMI filtering to meet FCC Class B, CISPR 11/22 Class B.

**More Detailed Specifications:** See Condor web site at [www.condorpower.com](http://www.condorpower.com) or call your local Allied sales representative at 1-800-433-5700.



## Features (Continued)

- Approved to UL2601, IEC601-1, CSA 22.2 No. 601.1
- EMI to CISPR11 Class B

## Features (Continued)

- Ideal for Ultra Compact Applications

**20 W, World's Smallest. Overall Dimensions:** 3.50" x 2.00" x 0.850". **Weight:** 4.0 oz.

## Features

- No Bigger Than a Business Card
- 90-264 VAC Input
- EMI FCC Class B, CISPR22B

## Features (Continued)

- Standard Overvoltage Protection
- Fixed-Frequency Operation
- Full Burn-In

## Features (Continued)

- Approved to UL 1950, IEC950, CSA 22.2 No. 234 Level 3 and EN60950
- 2-Year Warranty

| Stock No. | Mfr.'s Type | Output Volts (V) | Output Amps (A) | Load Regulation (%) | Set Tol. (%) | OVP Setpoint (V) | Ripple and Noise (%) | EACH  |       |       |
|-----------|-------------|------------------|-----------------|---------------------|--------------|------------------|----------------------|-------|-------|-------|
|           |             |                  |                 |                     |              |                  |                      | 1-4   | 5-24  | 25-49 |
| 744-0605  | GSM7-5      | 5.0              | 1.40            | 0.75                | 2.5          | 6.2 ±0.6         | 1.4                  | 32.54 | 31.49 | 29.40 |
| 744-0600  | GSM7-12     | 12.0             | 0.58            | 0.75                | 2.5          | 14.0 ±1.1        | 1.0                  | 32.54 | 31.49 | 29.40 |
| 744-0610  | GSM7-15     | 15.0             | 0.47            | 0.75                | 2.5          | 18.5 ±1.5        | 1.0                  | 30.68 | 29.15 | 27.62 |
| 744-0615  | GSM7-24     | 24.0             | 0.29            | 0.75                | 2.5          | 28.0 ±2.5        | 1.0                  | 30.68 | 29.15 | 27.62 |
| 744-0620  | GSM7-28     | 28.0             | 0.25            | 0.75                | 2.5          | 34.0 ±2.8        | 1.0                  | 30.68 | 29.15 | 27.62 |

**25 W, World's Smallest. Overall Dimensions:** GSC — 4.00" x 2.50" x 0.860"; GSM — 4.25" x 2.50" x 0.860" **Weight:** 4.5 oz.

## Features

- Ultra-Small Footprint
- 90-264 VAC Input Range
- Overvoltage Protection Standard
- Outputs Protected Against Overload

## Features (Continued)

- Enclosures Available
- Exceeds FCC, CISPR22 Class B (Commercial) and CISPR11 Class B (Medical) Conducted Emissions Requirements

## Features (Continued)

- GSC Models Approved to UL1950, CSA22.2-234 level 3, EN60950
- GSM Models Approved to UL2601-1, CSA22.2 No. 601.1, EN60601-1

| Stock No. | Mfr.'s Type | Output 1  |          | Output 2  |          | Output 3  |          | EACH  |       |       |
|-----------|-------------|-----------|----------|-----------|----------|-----------|----------|-------|-------|-------|
|           |             | Volts (V) | Amps (A) | Volts (V) | Amps (A) | Volts (V) | Amps (A) | 1-4   | 5-24  | 25-49 |
| 744-2600  | GSC25A      | +5.1      | 2.5      | +12       | 1.5      | -12       | 0.2      | 56.70 | 54.60 | 51.45 |
| 744-2605  | GSC25B      | +5.1      | 2.5      | +15       | 1.5      | -15       | 0.2      | 53.55 | 50.87 | 48.20 |
| 744-2610  | GSC25D      | +5.1      | 2.5      | +24       | 1.0      | -12       | 0.2      | 53.55 | 50.87 | 48.20 |
| 744-2615  | GSM25A      | +5.1      | 2.5      | +12       | 1.5      | -12       | 0.2      | 63.75 | 60.57 | 57.38 |
| 744-2620  | GSM25B      | +5.1      | 2.5      | +15       | 1.5      | -15       | 0.2      | 63.75 | 60.57 | 57.38 |
| 744-2625  | GSM25D      | +5.1      | 2.5      | +24       | 1.0      | -12       | 0.2      | 63.75 | 60.57 | 57.38 |

**28 W, Medical, World's Smallest. Overall Dimensions:** 4.00" x 2.59" x 0.920". **Weight:** 5.0 oz.

## Features

- Extremely Small Footprint
- Wide Range AC Input 85-264 VAC
- EMI Approved to FCC and CISPR 11 Class B

## Features (Continued)

- Less than 25 μA Leakage Current
- Overvoltage Protection Standard
- Full Burn-In

## Features (Continued)

- Approved to IEC601-1 and UL2601, CSA 601.1
- 2-Year Warranty

| Stock No. | Mfr.'s Type | Output Volts (V) | Output Amps (A) | Load Regulation (%) | Set Tol. (%) | OVP Setpoint (V) | Ripple and Noise (%) | EACH  |       |       |
|-----------|-------------|------------------|-----------------|---------------------|--------------|------------------|----------------------|-------|-------|-------|
|           |             |                  |                 |                     |              |                  |                      | 1-4   | 5-24  | 25-49 |
| 744-0185  | GSM28-5     | 5.1              | 5.50            | 0.75                | 2.5          | 6.2 ±0.6         | 1.4                  | 54.60 | 51.87 | 49.14 |
| 744-0190  | GSM28-12    | 12.0             | 2.30            | 0.75                | 2.5          | 14.0 ±1.1        | 1.0                  | 57.75 | 55.65 | 52.51 |
| 744-0195  | GSM28-15    | 15.0             | 1.90            | 0.75                | 2.5          | 18.5 ±1.5        | 1.0                  | 54.60 | 51.87 | 49.14 |
| 744-0300  | GSM28-24    | 24.0             | 1.20            | 0.75                | 2.5          | 28.0 ±2.5        | 1.0                  | 57.75 | 55.65 | 49.35 |
| 744-0305  | GSM28-28    | 28.0             | 1.00            | 0.75                | 2.5          | 34.0 ±2.8        | 1.0                  | 54.60 | 51.87 | 49.14 |