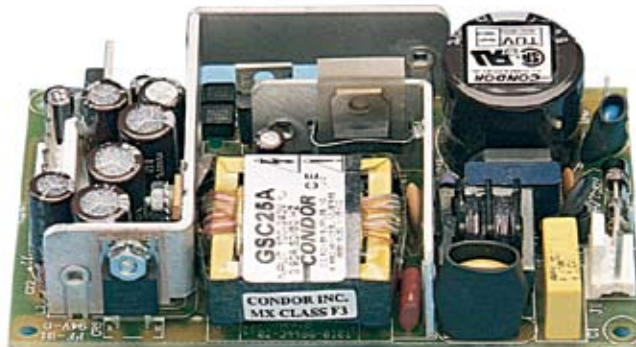


### GLOBAL PERFORMANCE SWITCHERS

#### Features:

- Industry's smallest 25 W switcher
- 2.50 x 4.25 x 0.86"
- Conducted EMI exceeds FCC Class B and CISPR 22 Class B (Commercial models) and CISPR 11 Class B (Medical models)
- Overvoltage protection standard
- Commercial Approved to UL1950, CSA-C22.2 No.950, EN60950
- Medical Approved to UL2601-1, IEC60601-1 EN60601-1 and CSA-C22.2 No. 601-1
- RoHS Compliant (G suffix)
- CE marked to LVD

**CONDOR**  
DC Power Supplies



### SPECIFICATIONS

Ac Input 90-264 Vac, 47-63 Hz single phase.
Input Current Maximum input current at minimum 120 Vac, 60 Hz with full rated output load is 0.6 A.
Hold-up Time 15 ms minimum from loss of ac input at full load, nominal line (120 Vac).
Output Power Normal continuous output power is 25 W, 28 W peak for 60 sec. maximum duration, 10% duty cycle. Factory set to begin power limiting at approximately 30 W.
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 on the +5.1 V output (125 mA) is required to maintain proper regulation.
Overload Protection Fully protected against short circuit and output overload. Short circuit protection is cycling type power limit
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 uF capacitor.
Transient Response Main output: 750 $\mu$ s typical response time for return to within 0.5% of final value for a 50% load step within the regulation limits of minimum and maximum load, $\Delta I/\Delta t < 0.2$ A/ $\mu$ s. Maximum voltage deviation is 3.5%. Startup/shut-down overshoot less than 2%.
Overvoltage Protection Built in with firing point set per ratings table. OVP firing reduces voltage to less than 50% of nominal voltage in 50 ms.
Voltage Adjustment Factory set with fixed resistors to maximize reliability.
Efficiency 70% minimum at full rated load, nominal input voltage.
Input Protection Internal ac fuse provided on all units.

**Inrush Current**  
Inrush is limited by internal thermistor. The inrush at 230 Vac, averaged over the first ac half-cycle under cold start conditions will not exceed 32 A.

**Temperature Coefficient**  
0.03%/°C typical on all outputs.

**Environmental**  
Designed for 0 to 50°C operation at full rated output power; derate output current and total output power by 2.5% per °C between 50 - 70°C. See Environmental and Packaging Specifications on next page.

**EMI/EMC Compliance**  
All models include built-in EMI filtering to meet the following emissions requirements:

EMI SPECIFICATIONS	COMPLIANCE LEVEL
Conducted Emissions GSC25 Conducted Emissions GSM25 Static Discharge RF Field Susceptibility Fast Transients/Bursts Surge Susceptibility	EN55022 Class B; FCC Class B EN55011 Class B; FCC Class B EN61000-4-2, 6 kV contact, 8 kV air EN61000-4-3, 3 V/meter EN61000-4-4, 2 kV, 5 kHz EN61000-4-5, 1 kV diff., 2 kV com.

**Commercial Safety:**  
Condor D.C. Power Supplies, Inc. declares under our sole responsibility that all 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, CSA-C22.2 No.950, EN60950.

**GSM25 Medical Model Earth Leakage Current**  
Leakage current measured in the Gnd wire connection when measured per UL2601-1 or IEC60601-1 is as follows:

Model	Normal Leakage	Fault Leakage	Test Voltage	Test Method
GSM25	50 $\mu$ A	78 $\mu$ A	132 Vca/60 Hz	UL2601-1
GSM25	94 $\mu$ A	150 $\mu$ A	264 Vca/50 Hz	IEC60601-1

**Medical Safety**  
Condor D.C. Power Supplies, Inc. declares under our sole responsibility that all GSM models are in conformity with the applicable requirements of UL2601-1 Patient Care Equipment, CSA-C22.2 No.601.1, IEC60601-1, EN 60601-1.

