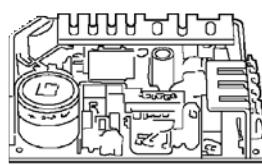
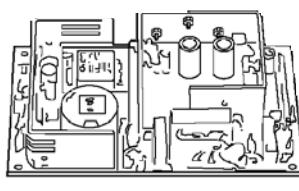


## 75 W Switching Power Supplies



GLX75 Single Output



GLX75 Multiple Output

## Features

- 75 Watts
- Cost-Effective Power Source
- Universal Input: 90-264 VAC
- 2-Year Warranty

## Features (Continued)

- Single and Multiple Outputs
- Overload Protection
- Overvoltage Protection
- Built-In EMI Filter UL, CSA and IEC Approvals

## Features (Continued)

- Operation at No-Load
- Power Fail Detect: GLX75
- Available in Both Commercial and Medical Versions

**AC Input.** 90-264 VAC, 47-63 Hz single phase.**Input Current.** Maximum input current at 90 VAC, 60 Hz with full rated output load not to exceed 2.9 A.**Hold-Up Time:** 20 mSec minimum from loss of AC input at full load, nominal line (120 VAC).**Output Power.** Normal continuous output power is 75 W for unrestricted natural convection cooling; 110 W with 26 cfm airflow. During peak load conditions output regulation may exceed total regulation and noise limits.**Total Regulation, Adjustable Outputs:** Maximum deviation from set point. **Fixed Outputs:** Maximum deviation from nominal.**Power Limit.** Factory set to begin power limiting at approximately 120 W (GLC75-5 is set at approximately 100 W). 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 noise probe directly across output terminals of the power supply.**Transient Response, Main Output:** 500 mSec typical response time for return to within 0.5% of final value for a 50% load step change, Di/Dt <0.2 A/mSec. **Maximum Voltage Deviation:** 3.5%. **Startup/Shutdown Overshoot:** Less than 3%.**Voltage Adjust.** Factory set on standard multiple-output units. All single-output models and multiple-output models with optional potentiometer are adjustable ±5%. **Note:** Output #1 must not be more than 1% below nominal to achieve full output regulation on output #2. High voltage settings may degrade the reliability of the unit due to excessive power dissipation in some outputs.**Overvoltage Protection.** Built in on main output.**Reverse Voltage Protection.** Protected against inadvertent application of reverse voltage up to 1 times rated current of the reversed output.**Efficiency.** 72-85% depending on model.**Turn-On Time.** Less than 1 second at 120 VAC, 25°C (inversely proportional to input voltage and thermistor temperature).**Input Protection.** Internal AC fuse provided. Designed to blow only if a catastrophic failure occurs in the unit — fuse does not blow on overload or short circuit.**Inrush Current.** Inrush limited by internal thermistors. Inrush at 240 VAC, averaged over the first AC half-cycle under cold start conditions will not exceed 37 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.**Power Fail.** A standard TTL or CMOS compatible output goes low (< 0.5V) 5 mSec before output voltage drops more than 4% below nominal voltage upon loss of AC power. Signal is factory set to trip on 84 to 94 VAC brown-out depending upon incoming line impedance and distortion. Other settings are available through adjustment of built-in potentiometer (consult Allied for assistance). Output will stay low for 20 mSec minimum.**EMI/EMC Compliance.** All models include built-in EMI filtering to meet the following emissions requirements. **EMI Specification Compliance Level:** Conducted Emissions EN55022 Class B; FCC Class B; Static Discharge EN61000-4-2, 6 kV contact, 8 kV air; RF Field Susceptibility EN61000-4-3, 3 V/meter; Fast Transients/Bursts EN61000-4-4, 2 kV, 5 kHz; Surge Susceptibility EN61000-4-5, 1 kV diff., 2 kV com.**Safety.** All GLC models are approved to UL1950, CSA22.2 No. 234 Level 3, IEC950 and EN60950. All GLM models are approved to UL2601, CSA 22.2 No. 601.1 and EN60601-1.

## GLC75 W, Commercial

For data processing applications, etc. **Dimensions — In. (L × W × D):** Multiple Output — 7.00 × 4.25 × 1.30; Single Output — 5.75 × 3.40 × 1.56. **Weight (Lbs.):** 1.1.

Stock No.	Mfr.'s Type	Voltage	Load Min.	Current Note A	Current Note B	I <sub>PEAK</sub>	Total Reg.	OVP Set	Noise (p-p)	EACH
										1-9
744-9981	GLC75A	+5.1 V +12.0 V -12.0 V 12.0 V†	1.0 0.5 0.0 0.0	8.0 A 3.0 A 1.0 A 2.5 A	10.0 A 4.0 A 1.2 A 4.0 A	12.0 A 2% +10, -5%‡	6.2 ±0.6 V	50 mV 120 mV 120 mV	73.96	
744-3335	GLC75B	+5.1 V +12.0 V -5.0 V -12.0 V 12.0 V†	1.0 0.5 0.0 0.0	8.0 A 3.0 A 1.0 A 2.5 A	10.0 A 4.0 A 1.2 A 4.0 A	12.0 A 2% +10, -5%‡	6.2 ±0.6 V	50 mV 120 mV 50 mV 120 mV	73.96	
744-9982	GLC75C	+5.1 V +12.0 V -15.0 V 15.0 V†	1.0 0.5 0.0 0.0	8.0 A 3.0 A 1.0 A 2.5 A	10.0 A 4.0 A 1.2 A 4.0 A	12.0 A 2% +10, -5%‡	6.2 ±0.6 V	50 mV 120 mV 120 mV 120 mV	73.96	
744-9980	GLC75D	+5.1 V +24.0 V -12.0 V -24.0 V 12.0 V†	1.0 0.5 0.0 0.0	8.0 A 3.0 A 1.0 A 2.5 A	10.0 A 4.0 A 1.2 A 4.0 A	12.0 A 2% +10, -5%‡	6.2 ±0.6 V	50 mV 120 mV 120 mV 120 mV	73.96	
744-9983	GLC75E	+5.1 V +24.0 V -15.0 V 15.0 V†	1.0 0.5 0.0 0.0	8.0 A 3.0 A 1.0 A 2.5 A	10.0 A 4.0 A 1.2 A 4.0 A	12.0 A 2% +10, -5%‡	6.2 ±0.6 V	50 mV 120 mV 120 mV 120 mV	73.96	
744-9984	GLC75P	+5.1 V +24.0 V -12.0 V -24.0 V 12.0 V†	1.0 0.5 0.0 0.0	8.0 A 4.0 A 1.0 A 2.5 A	10.0 A 4.0 A 1.2 A 4.0 A	12.0 A 2% +10, -5%‡	6.2 ±0.6 V	50 mV 240 mV 120 mV 120 mV	73.96	
744-0160	GLC75-5	5.1 V	0.0	14.7 A	18.0 A	18.0 A 2%	6.2 ±0.6 V	50 mV	72.26	
744-0165	GLC75-12	12.0 V	0.0	6.3 A	9.1 A	9.1 A 2%	14.0 ±1.1 V	120 mV	72.26	
744-0170	GLC75-15	15.0 V	0.0	5.0 A	7.3 A	7.3 A 2%	18.5 ±1.5 V	150 mV	72.26	
744-0175	GLC75-24	24.0 V	0.0	3.1 A	4.6 A	4.6 A 2%	28.0 ±2.5 V	240 mV	72.26	
744-0180	GLC75-28	28.0 V	0.0	2.7 A	4.0 A	4.0 A 2%	34.5 ±2.8 V	280 mV	72.26	

UL2601 and IEC601-1. **Dimensions — In. (L × W × D):** Multiple Output — 7.00 × 4.25 × 1.30; Single Output — 5.75 × 3.40 × 1.56. **Weight (Lbs.):** 1.1.

Stock No.	Mfr.'s Type	Voltage	Load Min.	Current Note A	Current Note B	I <sub>PEAK</sub>	Total Reg.	OVP Set	Noise (p-p)	EACH
										1-9
744-3330	GLM75A	+5.1 V +12.0 V -12.0 V 12.0 V†	1.0 0.5 0.0 0.0	8.0 A 3.0 A 1.0 A 2.5 A	10.0 A 4.0 A 1.2 A 4.0 A	12.0 A 2% +10, -5%‡	6.2 ±0.6 V	50 mV 120 mV 120 mV	85.06	
744-3340	GLM75B	+5.1 V +12.0 V -5.0 V -12.0 V†	1.0 0.5 0.0 0.0	8.0 A 3.0 A 1.0 A 2.5 A	10.0 A 4.0 A 1.2 A 4.0 A	12.0 A 2% +10, -5%‡	6.2 ±0.6 V	50 mV 120 mV 50 mV 120 mV	85.06	
744-7900	GLM75C	+5.1 V +12.0 V -15.0 V 15.0 V†	1.0 0.5 0.0 0.0	8.0 A 3.0 A 1.0 A 2.5 A	10.0 A 4.0 A 1.2 A 4.0 A	12.0 A 2% +10, -5%‡	6.2 ±0.6 V	50 mV 120 mV 120 mV	85.06	
744-3345	GLM75D	+5.1 V +24.0 V -12.0 V -24.0 V 12.0 V†	1.0 0.5 0.0 0.0	8.0 A 3.0 A 1.0 A 2.5 A	10.0 A 4.0 A 1.2 A 4.0 A	12.0 A 2% +10, -5%‡	6.2 ±0.6 V	50 mV 120 mV 120 mV	85.06	
744-3350	GLM75E	+5.1 V +24.0 V -15.0 V 15.0 V†	1.0 0.5 0.0 0.0	8.0 A 3.0 A 1.0 A 2.5 A	10.0 A 4.0 A 1.2 A 4.0 A	12.0 A 2% +10, -5%‡	6.2 ±0.6 V	50 mV 120 mV 120 mV	85.06	
744-3355	GLM75P	+5.1 V +24.0 V -12.0 V -24.0 V 12.0 V†	1.0 0.5 0.0 0.0	8.0 A 4.0 A 1.0 A 2.5 A	10.0 A 4.0 A 1.2 A 4.0 A	12.0 A 2% +10, -5%‡	6.2 ±0.6 V	50 mV 240 mV 120 mV 120 mV	85.06	
744-3360	GLM75-5	5.1 V	0.0	14.7 A	18.0 A	18.0 A 2%	6.2 ±0.6 V	50 mV	83.10	
744-3365	GLM75-12	12.0 V	0.0	6.3 A	9.1 A	9.1 A 2%	14.0 ±1.1 V	120 mV	83.10	
744-9625	GLM75-15	15.0 V	0.0	5.0 A	7.3 A	7.3 A 2%	18.5 ±1.5 V	150 mV	83.10	
744-3370	GLM75-24	24.0 V	0.0	3.1 A	4.6 A	4.6 A 2%	28.0 ±2.5 V	240 mV	83.10	
744-3375	GLM75-28	28.0 V	0.0	2.7 A	4.0 A	4.0 A 2%	34.5 ±2.8 V	280 mV	83.10	

**Note A:** Rating with unrestricted convection cooling. Total power not to exceed 75 W (70 W for GLC75-5 or GLM75-5). **Note B:** Rating with 26 cfm forced air cooling. Total power not to exceed 110 W. (100 W for GLC75-5 or GLM75-5). **†**During peak load conditions output regulation may exceed specified limits. **‡**To maintain these regulation conditions, the +5 V current must be at least 1/5 of V2 and not greater than 5 times the V2 current. Requires +5 V to be adjusted to within ±1% with at least a 1 A load to maintain regulation on this output.