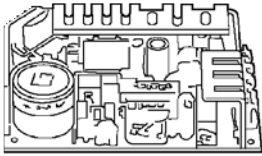
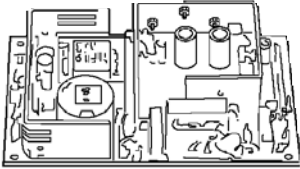


75 W Switching Power Supplies



GLX75 Single Output



GLX75 Multiple Output

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

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.

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 _{PEAK}	Total Reg.	OVP Set	Noise (p-p)	EACH 1-g
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 2.5 A 1.0 A 2.5 A	10.0 A 3.0 A 1.0 A 3.0 A	12.0 A 4.0 A 1.2 A 4.0 A	2% +10, -5%‡	6.2 ±0.6 V	50 mV 120 mV 120 mV 120 mV	73.96
744-3335	GLC75B	+5.1 V +12.0 V -5.0 V 12.0 V†	1.0 0.5 0.0 0.0	8.0 A 2.5 A 1.0 A 2.5 A	10.0 A 3.0 A 1.0 A 3.0 A	12.0 A 4.0 A 1.2 A 4.0 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 2.5 A 1.0 A 2.5 A	10.0 A 3.0 A 1.0 A 3.0 A	12.0 A 4.0 A 1.2 A 4.0 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 12.0 V†	1.0 0.5 0.0 0.0	8.0 A 2.5 A 1.0 A 2.5 A	10.0 A 3.0 A 1.0 A 3.0 A	12.0 A 4.0 A 1.2 A 4.0 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 2.5 A 1.0 A 2.5 A	10.0 A 3.0 A 1.0 A 3.0 A	12.0 A 4.0 A 1.2 A 4.0 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 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 1.0 A 3.0 A	12.0 A 4.5 A 1.2 A 4.0 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

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.

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

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.

GLM75 W, Medical

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 _{PEAK}	Total Reg.	OVP Set	Noise (p-p)	EACH 1-g
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 2.5 A 1.0 A 2.5 A	10.0 A 3.0 A 1.0 A 3.0 A	12.0 A 4.0 A 1.2 A 4.0 A	2% +10, -5%‡	6.2 ±0.6 V	50 mV 120 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 2.5 A 1.0 A 2.5 A	10.0 A 3.0 A 1.0 A 3.0 A	12.0 A 4.0 A 1.2 A 4.0 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 2.5 A 1.0 A 2.5 A	10.0 A 3.0 A 1.0 A 3.0 A	12.0 A 4.0 A 1.2 A 4.0 A	2% +10, -5%‡	6.2 ±0.6 V	50 mV 120 mV 120 mV 120 mV	85.06
744-3345	GLM75D	+5.1 V +24.0 V -12.0 V 12.0 V†	1.0 0.5 0.0 0.0	8.0 A 2.5 A 1.0 A 2.5 A	10.0 A 3.0 A 1.0 A 3.0 A	12.0 A 4.0 A 1.2 A 4.0 A	2% +10, -5%‡	6.2 ±0.6 V	50 mV 120 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 2.5 A 1.0 A 2.5 A	10.0 A 3.0 A 1.0 A 3.0 A	12.0 A 4.0 A 1.2 A 4.0 A	2% +10, -5%‡	6.2 ±0.6 V	50 mV 120 mV 120 mV 120 mV	85.06
744-3355	GLM75P	+5.1 V +24.0 V -12.0 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 1.0 A 3.0 A	12.0 A 4.5 A 1.2 A 4.0 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