# **GLC75 Commercial/GLM75 Medical**

# 75 Watt Multiple Output Global Performance Switchers



# SPECIFICATIONS:

90-264 Vac, 47-63 Hz single phase.

#### Input Current

Maximum input current at 120 Vac, 60 Hz with full rated output load not to exceed 2.3 A.

#### **Output Power**

Normal continuous output power is 75 W for unrestricted natural convection cooling. The standard power is 110 W with 26 cfm airflow. During peak load conditions output regulation may exceed total regulation and noise limits.

Output Regulation
Measured by ±40% load change from 60% rated load with all other outputs at 60% rated load and input voltage change from minimum to maximum ratings. Output #1 requires 20% minimum load for proper regulation of other outputs. Initial set tolerance is measured with all outputs at 60% of full rated load. Output #2 requires 0.5 a minimum load for proper regulation.

#### **Overload Protection**

Factory set to begin power limiting at approximately 120 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: 500µSec typical response time for return to within 0.5% of final value for a 50% load step change, ∆i/ Δt<0.2A/μSec. Maximum voltage deviation is 3.5%.

# **Overvoltage Protection**

Built in on V1 with firing point set per table. OVP firing reduces output #1 and #2 to less than 50% of nominal voltage in 50 ms.

# Voltage Adjust

Factory set on standard unit; however, optional potentiometer adjusts voltage from 4.7 V to OVP point (6.2 V nominal) on the +5 V output. Note: Output #1 must not be more than 1% below nominal to achieve full output voltage range on Output #2. Output regulation limits in some models may be exceeded when the main output is adjusted beyond ±1% of nominal voltage. High voltage settings may degrade the of nominal voltage. High voltage settings may degrade the reliability of the unit due to excessive power dissipation in some outputs.

Efficiency 68% -78% depending on model and load distribution.

# **FEATURES:**

- · Cost-effective multiple output power source
- Universal input 90-264 Vac
- 7.00"x 4.25"x 1.30" (Meets 1U height)
- 2-year warranty
- Conducted EMI exceeds FCC Class B and CISPR 22 Class B (Commercial models) and CISPR 11 Class B (Medical models)
- Complies with EN61000-3-2 Class A
- · Also available in single output versions
- Commercial UL1950, CSA22.2 No. 234 and IEC950 and EN60950 approvals
- Medical Approved to UL2601-1, IEC601-1 and CSA-C22.2 No. 601.1
- ( marked to LVD

### **Input Protection**

Internal ac fuse provided on all units. Designed to blow only if a catastrophic failure occurs in the unit.

#### **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.

#### Hold Up Time

20 ms minimum from loss of ac input power at full load, nominal line (120 Vac).

### **Temperature Coefficient**

0.03%/°C typical on all outputs.

#### **Power Fail**

A standard TTL or CMOS compatible output goes low (< 0.5 V) 5ms 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 factory for assistance). Output will stay low for 20 ms minimum.

# **EMI/EMC Compliance**

All models include built-in EMI filtering to meet the following emissions requirements:

#### **EMI SPECIFICATIONS**

Conducted Emissions-GLC75 Conducted Emissions-GLM75 Static Discharge RF Field Susceptibility Fast Transients/Bursts Surge Susceptibility Line Frequency Harmonics

#### COMPLIANCE LEVEL

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. EN61000-3-2 Class A

### Commercial Safety

All GLC models are approved to UL1950, CSA22.2 No. 234 Level 3, IEC950 and EN60950. Consult factory for approval status.

### Medical Leakage Current

70 µA 264 V @ 50 Hz (normal conditions).

All GLM models are approved to UL2601-1, CSA-C22.2 No. 601.1, IEC601-1 and EN60601. Consult factory for approval status.

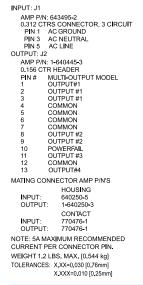


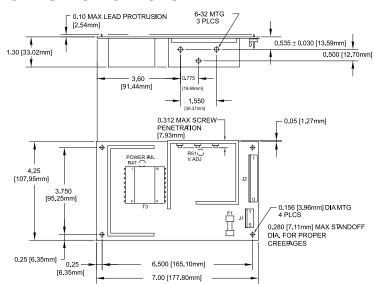
# **GLC75 Commercial/GLM75 Medical 75 Watt Multiple Output**

GLC75A GLM75A 1	Commercial Model	Medical Model	Output No.	Output	Output Minimum C	utput Maximum (A)	Output Maximum (B)	Output Peak	V1 OVP Set	Noise P-P	Regulation
Section   Sect	GLC75A	GLM75A	1	+5.1 V	1 A	8 A	10 A	12 A	6.2 ± 0.6 V	50 mV	2%
GLC75B GLM75B 1 +5.1V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% CLC75B GLM75B 1 +5.1V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% CLC75B GLM75B 1 +5.1V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% CLC75C GLM75C 1 +5.1V 1 A 8 A 10 A 1 A 1.2 A 50 mV 2% CLC75C GLM75C 1 +5.1V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% CLC75C GLM75C 1 +5.1V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% CLC75C GLM75C 1 +5.1V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% CLC75D GLM75D 1 +5.1V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% CLC75D GLM75D 1 +5.1V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% CLC75D GLM75D 1 +5.1V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% CLC75C GLM75C 1 +5.1V 1 A 8 A 10 A 12 A			2	+12 V	0.5 A	2.5 A	3 A	4 A		120 mV	+10%, -5% (D)
GLC75B GLM75B GLM75B GLM75B GLM75B GLM75C GL			3	-12 V	0 A	1 A	1 A	1.2 A		120 mV	3%
2			4	+12 V	0 A	2.5 A	3 A	4 A		120 mV	2%
3	GLC75B	GLM75B	1	+5.1 V	1 A	8 A	10 A	12 A	6.2 ± 0.6 V	50 mV	2%
GLC75C GLM75C 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2%			2	+12 V	0.5 A	2.5 A	3 A	4 A		120 mV	+10%, -5% (D)
GLC75C GLM75C 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2%   2 +12 V 0.5 A 2.5 A 3 A 4 A 120 mV +10%, 55% (D)   3 -15 V 0 A 1 A 1 A 12 A 150 mV 2%   4 +15 V 0 A 2.5 A 3 A 4 A 150 mV 2%   GLC75D GLM75D 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2%   2 +24 V 0.5 A 2.5 A 3.5 A 2.5 A 3.5 A 2.4 mV +10%, 55% (D)   3 -12 V 0 A 1 A 1 A 1.2 A 120 mV 3%   4 +12 V 0.5 A 2.5 A 3.5 A 4 A 120 mV 2%   GLC75E GLM75E 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2%   2 +24 V 0.5 A 2.5 A 3.5 A 4 A 120 mV 2%   GLC75E GLM75E 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2%   2 +24 V 0.5 A 2.5 A 3.5 A 2.5 A 3.5 A 2.5 A 3.5 A 2.5 A 3.5 A 2.5 A 2.5 A 2.5 A 3.5 A 2.5 A 2.5 A 2.5 A 2.5 A 2.5 A 3.5 A 2.5 A 3.5 A 4 A 150 mV 2%   GLC75F GLM75F 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2%   2 +15 V 0.5 A 2.5 A 3 A 4 A 150 mV +10%, 5% (D) 3 -5 V 0 1 A 1 A 1 A 1.2 A 50 mV 2%   GLC75H GLM75H 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2%   4 +15 V 0.5 A 2.5 A 3 A 4 A 150 mV 2%   GLC75H GLM75H 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2%   2 +15 V 0.5 A 2.5 A 3 A 4 A 150 mV 2%   GLC75H GLM75H 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2%   2 +15 V 0.5 A 2.5 A 3 A 4 A 12 M 150 mV +10%, -5% (D) 3 -12 V 0.5 A 2.5 A 3 A 4 A 12 M 150 mV +10%, -5% (D) 3 -12 V 0.5 A 2.5 A 3 A 4 A 12 M 150 mV 2%   GLC75H GLM75H 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2%   2 +12 V 0.5 A 2.5 A 3 A 4 A 12 M 150 mV 2%   GLC75H GLM75H 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2%   2 +12 V 0.5 A 2.5 A 3 A 4 A 12 M 150 mV 3%   4 +15 V 0.5 A 2.5 A 3 A 4 A 12 M 150 mV 2%   4 +15 V 0.5 A 2.5 A 3 A 4 A 12			3	-5 V	0 A	1 A	1 A	1.2 A		50 mV	3%
Company			4	+12 V		2.5 A	3 A	4 A		120 mV	2%
3	GLC75C	GLM75C	1	+5.1 V	1 A	8 A	10 A	12 A	6.2 ± 0.6 V	50 mV	2%
GLC75D GLM75D 1 4-51 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% (DLC75D GLM75D 1 4-51 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% 2			2	+12 V	0.5 A	2.5 A	3 A	4 A		120 mV	+10%, -5% (D)
GLC75D GLM75D 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% 2 + 24 V 0.5 A 2.5 A 2.5 A 3.5 A 240 mV +10%, -5% (D) 3 -12 V 0 A 1 A 1 A 1.2 A 120 mV 3% 4 +112 V 0 A 2.5 A 3.4 A A 120 mV 2% GLC75E GLM75E 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% 3 -15 V 0.5 A 2.5 A 3.5 A 3.5 A 240 mV +10%, -5% (D) 3 -15 V 0.4 A 1.4 A 1.2 A 150 mV 2% GLC75F GLM75F 1 +5.1 V 1 A 8 A 10 A 1.2 A 6.2 ± 0.6 V 50 mV 2% GLC75F GLM75F 1 +5.1 V 1 A 8 A 10 A 1.2 A 150 mV 2% GLC75F GLM75F 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% GLC75F GLM75F 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% GLC75F GLM75H 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% GLC75F GLM75H 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% GLC75F GLM75H 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 3% A 150 mV 2% GLC75H GLM75H 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% GLC75H GLM75H 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% GLC75H GLM75H 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% GLC75H GLM75H 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% GLC75H GLM75J 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% GLC75J GLM75J 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% GLC75J GLM75J 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% GLC75J GLM75J 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% GLC75J GLM75J 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% GLC75J GLM75J 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% GLC75J GLM75J 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% GLC75J GLM75J 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% GLC75J GLM75J 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% GLC75J GLM75J 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% GLC75J GLM75J 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% GLC75J GLM75J 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% GLC75J GLM75J 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% GLC75J GLM75J 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% GLC75J GLM75J 1 +5.1 V 1 A 8 A 10			3	-15 V	0 A	1 A	1 A	1.2 A		150 mV	3%
2			4	+15 V	0 A	2.5 A	3 A	4 A		150 mV	2%
3	GLC75D	GLM75D	1	+5.1 V	1 A	8 A	10 A	12 A	6.2 ± 0.6 V	50 mV	2%
GLC75E GLM75E 1 +5.1 V 1A 8A 10 A 12A 6.2 ± 0.6 V 50 mV 2% (DLC75E GLM75E 1 +5.1 V 1A 8A 10 A 12A 6.2 ± 0.6 V 50 mV 2% (DLC75E GLM75E 1 +5.1 V 1A 8A 10 A 12A 6.2 ± 0.6 V 50 mV 2% (DLC75E GLM75F 1 +5.1 V 1A 8A 10 A 1.2 A 150 mV 2% (DLC75F GLM75F 1 +5.1 V 1A 8A 10 A 12A 6.2 ± 0.6 V 50 mV 2% (DLC75F GLM75H 1 +5.1 V 1A 8A 10 A 12A 6.2 ± 0.6 V 50 mV 2% (DLC75F GLM75H 1 +5.1 V 1A 8A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% (DLC75F GLM75H 1 +5.1 V 1A 8A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% (DLC75F GLM75H 1 +5.1 V 1A 8A 10 A 12 A 50 mV 3% (DLC75H GLM75H 1 +5.1 V 1A 8A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% (DLC75H GLM75H 1 +5.1 V 1A 8A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% (DLC75H GLM75J 1 +5.1 V 1A 8A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% (DLC75J GLM75J 1 +5.1 V 1A 8A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% (DLC75J GLM75J 1 +5.1 V 1A 8A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% (DLC75J GLM75J 1 +5.1 V 1A 8A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% (DLC75J GLM75J 1 +5.1 V 1A 8A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% (DLC75J GLM75J 1 +5.1 V 1A 8A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% (DLC75J GLM75J 1 +5.1 V 1A 8A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% (DLC75J GLM75J 1 +5.1 V 1A 8A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% (DLC75J GLM75J 1 +5.1 V 1A 8A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% (DLC75J GLM75J 1 +5.1 V 1A 8A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% (DLC75J GLM75J 1 +5.1 V 1A 8A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% (DLC75J GLM75J 1 +5.1 V 1A 8A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% (DLC75J GLM75J 1 +5.1 V 1A 8A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% (DLC75J GLM75J 1 +5.1 V 1A 8A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% (DLC75J GLM75J 1 +5.1 V 1A 8A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% (DLC75J GLM75J 1 +5.1 V 1A 8A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% (DLC75J GLM75J 1 +5.1 V 1A 8A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% (DLC75J GLM75J G			2	+24 V	0.5 A	2.5 A	2.5 A	3.5 A		240 mV	+10%, -5% (D)
GLC75E GLM75E			3	-12 V	0 A	1 A	1 A	1.2 A		120 mV	3%
Company			4	+12 V	0 A	2.5 A	3 A	4 A		120 mV	2%
3	GLC75E	GLM75E	1	+5.1 V	1 A	8 A	10 A	12 A	6.2 ± 0.6 V	50 mV	2%
Carrier			2	+24 V	0.5 A	2.5 A	2.5 A	3.5 A		240 mV	+10%, -5% (D)
GLC75F GLM75F			3	-15 V	0 A	1 A	1 A	1.2 A		150 mV	3%
Company			4	+15 V	0 A	2.5 A	3 A	4 A		150 mV	2%
3	GLC75F	GLM75F	1	+5.1 V	1 A	8 A	10 A	12 A	6.2 ± 0.6 V	50 mV	2%
Carrow   C			2	+15 V	0.5 A	2.5 A	3 A	4 A		150 mV	+10%, -5% (D)
GLC75H GLM75H 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% 2 +15 V 0.5 A 2.5 A 3 A 4 A 150 mV +10%, -5% (D) 3 -15 V 0 1 A 1 A 1.2 A 150 mV 3% 4 +15 V 0 2.5 A 3 A 4 A 150 mV 2% 3% 6 CC75J GLM75J 1 +5.1 V 1 A 8 A 10A 12 A 6.2 ± 0.6 V 50 mV 2% 2 +12 V 0.5 A 2.5 A 3 A 4 A 120 mV +10%, -5% (D) 3 -12 V 0 1 A 1 A 1 A 1.2 A 12 M 120 mV 3% 4 CC 50 M 2.5 A 3 A 4 A 120 mV 3% 4 M 120 mV			3	-5 V	0	1 A	1 A	1.2 A		50 mV	3%
2			4	-15 V	0	2.5 A	3 A	4 A		150 mV	2%
3	GLC75H	GLM75H	1	+5.1 V	1 A	8 A	10 A	12 A	6.2 ± 0.6 V	50 mV	2%
GLC75J         GLM75J         1         +15 V         0         2.5 A         3 A         4 A         150 mV         2%           GLC75J         GLM75J         1         +5.1 V         1 A         8 A         10A         12 A         6.2 ± 0.6V         50 mV         2%           2         +12 V         0.5 A         2.5 A         3 A         4 A         120 mV         +10%, -5% (D)           3         -12 V         0         1 A         1 A         1.2 A         50 mV         2%           4(C)         5 V         0         2.0 A         3 A         4 A         50 mV         2%           GLC75P         GLM75P         1         +5.1 V         1 A         8 A         10 A         12 A         6.2 ± 0.6V         50 mV         2%           2         +24 V         0.5 A         4 A         4 A         4.5 A         240 mV         +10%, -5% (D)           3         -12 V         0 A         1 A         1 A         1.2 A         120 mV         3%			2	+15 V	0.5 A	2.5 A	3 A	4 A		150 mV	+10%, -5% (D)
GLC75J GLM75J 1 +5.1 V 1 A 8 A 10A 12 A 6.2 ± 0.6V 50 mV 2% 2 +12 V 0.5 A 2.5 A 3 A 4 A 120 mV +10%, -5% (D) 3 -12 V 0 1 A 1 A 1.2 A 120 mV 3% 4(C) 5 V 0 2.0 A 3 A 4 A 50 mV 2% GLC75P GLM75P 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6V 50 mV 2% 2 +24 V 0.5 A 4 A 4 A 4.5 A 240 mV +10%, -5% (D) 3 -12 V 0 A 1 A 1 A 1.2 A 120 mV 3% 120 mV 3% 140 mV 140%, -5% (D) 3 -12 V 0 A 1 A 1 A 1.2 A 120 mV 3%			3	-15 V	0	1 A	1 A	1.2 A		150 mV	3%
2			4	+15 V	0	2.5 A	3 A	4 A		150 mV	2%
3 -12 V 0 1 A 1 A 1.2 A 120 mV 3% 4(C) 5 V 0 2.0 A 3 A 4 A 50 mV 2% GLC75P GLM75P 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% 2 +24 V 0.5 A 4 A 4 A 4.5 A 240 mV +10%, -5% (D) 3 -12 V 0 A 1 A 1 A 1.2 A 120 mV 3%	GLC75J	GLM75J	1	+5.1 V	1 A	8 A	10A	12 A	6.2 ± 0.6V	50 mV	2%
4(C)         5 V         0         2.0 A         3 A         4 A         50 mV         2%           GLC75P         GLM75P         1         +5.1 V         1 A         8 A         10 A         12 A         6.2 ± 0.6 V         50 mV         2%           2         +24 V         0.5 A         4 A         4 A         4.5 A         240 mV         +10%, -5% (D)           3         -12 V         0 A         1 A         1 A         1.2 A         120 mV         3%			2	+12 V	0.5 A	2.5 A	3 A	4 A		120 mV	+10%, -5% (D)
GLC75P GLM75P 1 +5.1 V 1 A 8 A 10 A 12 A 6.2 ± 0.6 V 50 mV 2% 2 +24 V 0.5 A 4 A 4 A 4.5 A 240 mV +10%, -5% (D) 3 -12 V 0 A 1 A 1 A 1.2 A 120 mV 3%			3	-12 V	0	1 A	1 A	1.2 A		120 mV	3%
2 +24 V 0.5 A 4 A 4 A 4.5 A 240 mV +10%, -5% (D) 3 -12 V 0 A 1 A 1 A 1.2 A 120 mV 3%			4(C)	5 V	0	2.0 A	3 A	4 A		50 mV	2%
3 -12 V 0 A 1 A 1 A 1.2 A 120 mV 3%	GLC75P	GLM75P	1	+5.1 V	1 A	8 A	10 A	12 A	6.2 ± 0.6V	50 mV	2%
			2	+24 V	0.5 A	4 A	4 A	4.5 A		240 mV	+10%, -5% (D)
4 +12 V 0 A 2.5 A 3 A 4 A 120 mV 2%			3	-12 V	0 A	1 A	1 A	1.2 A		120 mV	3%
			4	+12 V	0 A	2.5 A	3 A	4 A		120 mV	2%

- A. Rating with unrestricted convection cooling. Total power not to exceed 75 W. B. Rating with 26 cfm forced-air cooling. Total power not to exceed 110 W.
- C. Floating fourth output can be referenced as either positive or negative. Connect pin 12 to Return to provide a positive voltage at Pin 13. Connect pin 13 to Return to provide a negative voltage at Pin 12.
- D. To maintain these regulations conditions, the +5V current must be at least 1/5 of V2 and not greater than 5 times the V2 current. Requires +5V to be adjusted to within 1% with at least a 1 A load to maintain regulation on this output.

# GLC75/GLM75 MECHANICAL SPECIFICATIONS





Environmental Specification	Operating	Non-operating			
Temperature (A)	0 to 50°C	-40 to +85°C			
Humidity (A)	0 to 95% RH	0 to 95% RH			
Shock (B)	20 g <sub>pk</sub>	40 g <sub>pk</sub>			
Altitude	-500 to 10,000 ft	-500 to 40,000 ft			
Vibration (C)	1.5 g <sub>rms</sub> , 0.003 g²/Hz	5 g <sub>rms</sub> , 0.026 g²/Hz			

- A. Units should be allowed to warm up/operate under non-condensing conditions before application of power. Derate output current and total output power by 2.5% per °C above 50°C.
- B. Random vibration—10 to 2000Hz. 6dB/octave roll-off from 350 to 2000Hz. 3 orthogonal axes. Tested for 10 min./axis operating and 1 hr./axis non-operating.
- C. Shock testing—half-sinusoidal, 10 ± 3 ms duration, ± direction, 3 orthogonal axes, total 6 shocks.

