

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

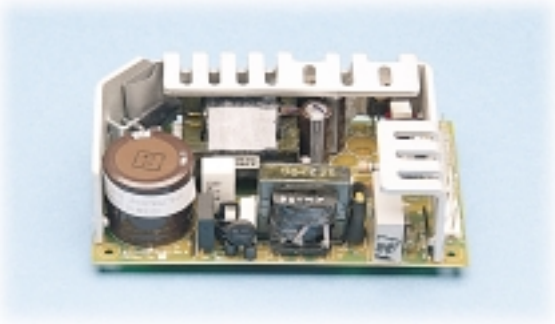
- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *SL Power / Condor Power GLC40-12* at our website: *Click HERE*

GLC75 Commercial/GLM75 Medical
75 Watt Single Output Global Performance Switchers



FEATURES:

- Cost-effective single-output power source
- 3.4" x 5.75" x 1.56" (meets 1U applications)
- Universal input 90-264 Vac
- 2-year warranty
- Complies with EN61000-3-2 Class A
- Also available in multiple output versions
- Conducted EMI exceeds FCC Class B and CISPR 22 Class B (Commercial models) and CISPR 11 Class B (Medical models)
- Commercial Approved to UL1950, CSA22.2 No. 234 and IEC950, EN60950
- Medical Approved to UL2601-1, IEC601-1 and CSA22.2 No. 601
- CE marked to LVD

SPECIFICATIONS:

Ac Input
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; 110 W with 26 cfm airflow.

Output Regulation
Regulation measured by changing from 5% to 50% load or 50% load to full load in either direction.

Overload Protection
Factory set to begin power limiting at approximately 120 W (GLC 75-5 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 µs typical response time for return to within 0.5% of final value for a 50% load step change, $\Delta i/\Delta t<0.2$ A/µs. Maximum voltage deviation is 3.5%. Startup/shutdown overshoot less than 3%.

Overvoltage Protection
Standard on all models.

Voltage Adjust
Factory set on standard unit; however, potentiometer adjusts voltage ±5% minimum. Consult factory for application assistance.

Efficiency
72-85% depending on model.

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.

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	COMPLIANCE LEVEL
Conducted Emissions GLC75	EN55022 Class B; FCC Class B
Conducted Emissions GLM75	EN55011 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.
Line Frequency Harmonics	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).

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

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

GLC75 Commercial/GLM75 Medical 75 Watt Single Output

Commercial Model	Medical Model	Output	Output Minimum	Output Maximum (A)	Output Maximum (B)	Output Peak	V1 OVP Set	Noise P-P	Total Regulation
GLC75-5	GLM75-5	5.1 V	0 A	13.7 A	19.6 A	21 A	6.2 ± 0.6 V	50 mV	1%
GLC75-12	GLM75-12	12 V	0 A	6.3 A	9.1 A	9.5 A	15.6 ± 1.1 V	120 mV	1%
GLC75-15	GLM75-15	15 V	0 A	5 A	7.3 A	7.7 A	18.5 ± 1.5 V	150 mV	1%
GLC75-24	GLM75-24	24 V	0 A	3.1 A	4.6 A	5 A	28 ± 2.5 V	240 mV	1%
GLC75-28	GLM75-28	28 V	0 A	2.7 A	4 A	4.4 A	34 ± 2.8 V	280 mV	1%

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.

GLC75/GLM75 MECHANICAL SPECIFICATIONS

INPUT: J1
AMP P/N: 643495-2
0.312 CTRS CONNECTOR, 3 CIRCUIT
PIN 1 AC GROUND
PIN 3 AC NEUTRAL
PIN 5 AC LINE

OUTPUT: J2
AMP P/N: 640445-9
0.156 CTR HEADER

PIN #	SINGLE OUTPUT MODELS
1	OUTPUT#1
2	OUTPUT #1
3	OUTPUT #1
4	OUTPUT #1
5	COMMON
6	COMMON
7	COMMON
8	COMMON
9	POWER FAIL

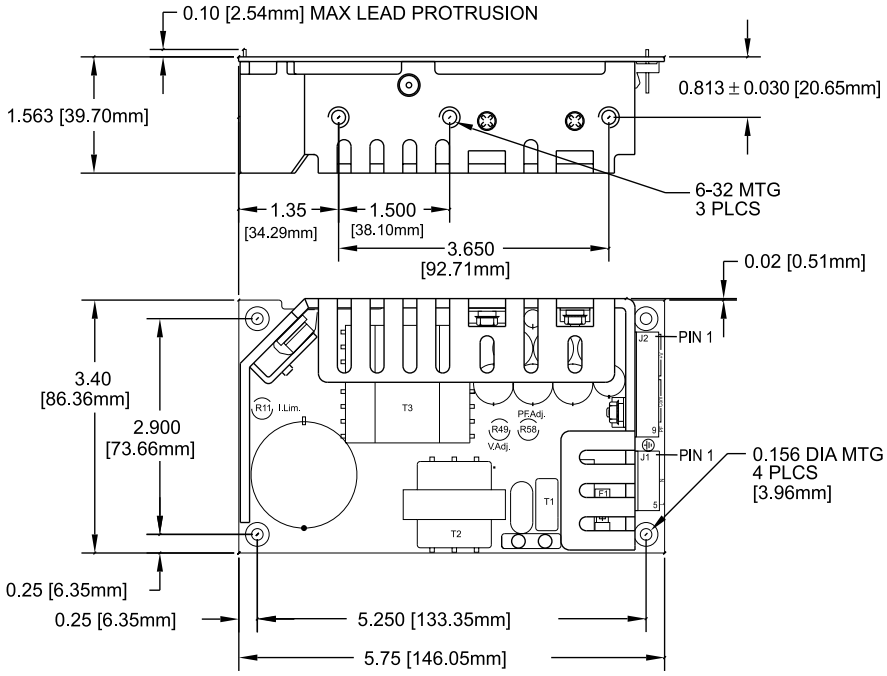
MATING CONNECTOR AMP P/N'S

	HOUSING
INPUT:	640250-5
OUTPUT:	640250-9
	CONTACT
INPUT:	770476-1
OUTPUT:	770476-1

NOTE: 5A MAXIMUM RECOMMENDED CURRENT PER CONNECTOR PIN.

WEIGHT: 1.0 LBS. MAX. [0.45 kg]

TOLERANCES: X.XX=0.030 [0.76mm]
X.XXX=0.010 [0.25mm]



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_{pk}	40 g_{pk}
Altitude	-500 to 10,000 ft	-500 to 40,000 ft
Vibration (C)	1.5 g_{rms}, 0.003 g^2/Hz	5 g_{rms}, 0.026 g^2/Hz

A. Units should be allowed to warm up/operate under non-condensing conditions before application of power.
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.

CONDOR Condor D.C. Power Supplies, Inc., 2311 Statham Parkway, Oxnard, CA 93033
800-235-5929 • 805-486-4565 • FAX 805-487-8911 • www.condorpower.com

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

SL Power:

GLC75-12 GLC75-24 GLC75-28 GLC75-15 GLM75-12 GLM75-15 GLM75-28 GLM75-24 GLC75-5 GLM75-28G GLC75-15G GLC75-28G GLM75-12G GLM75-15G GLM75-24G GLC75-5G GLC75-12G GLC75-24G GLC75F GLC75H GLM75-5 GLM75B GLM75H GLM75J

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP