

40 W, 50 W and 65 W Switching Power Supplies

- Features
- Cost Effective Power Source
 - Universal Input 90-264 VAC
 - 2-Year Warranty
 - Single and Multiple Output Models

- Overload and Overvoltage Protection
- Built-In EMI Filter to CISPR 11/22B
- UL, CSA, and IEC Approvals
- Operation at No-Load

- Power-Fail Detect on GLC75
- All Units Meet 1 U Height

General Specifications

Input Protection: Internal AC fuse provided on all units.
Inrush Current: Inrush is limited by internal thermistors. The inrush at 240 VAC averaged over the first AC half-cycle under cold start conditions will not exceed 37 A.

Temperature Range: 0 to 50°C at full rated power.

EMI Compliance: All models include built-in EMI filtering to meet or exceed the emissions requirements of FCC 20870 Class B, CISPR22-Class B and VDE 0871 Class A above 150 kHz. Typical margins >3 dB at all frequencies and line/load conditions.

Voltage Adjust: Factory set on standard unit, however, potentiometer standard on single and multiple output models and GLX50 Triples on V1.

Safety: All GLC models are approved to UL1950, CSA222 No. 234 Level 3, IEC950, EN60950 and VDE 0805. Consult factory for approval status.

Input Current: Maximum input current at 120 VAC, 60 Hz with full rated and multiple output load not to exceed 1/3 A for the GLC40 and 2.3 A for the GLC75.

Efficiency: 70% depending on model.

AC Input: 90-264 VAC, 47-63 Hz single phase.

DC Output: See output rating chart

Leakage Current: 40 µA under normal conditions (132 VAC @ 60 Hz). Maximum under single-fault conditions (264 VAC @ 60 Hz.) is 170 µA.

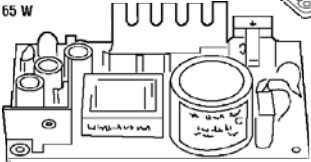
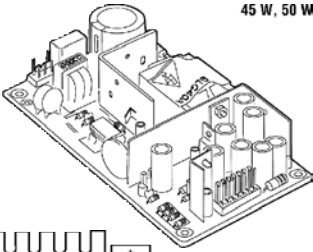
Hold Time: 15 mS minimum at full load and nominal line (115 VAC).

Overload Protection: Fully protected against short circuit and output overload on all outputs. Short circuit protection is cycling type power limit.

Output Noise and Ripple: 0.5% RMS 1% PK-PK, 20 MHz bandwidth, differential mode.

Transient Response: Main output: 500 µSec typical response time for return to within 0.5% of final value for a 50% load step within the regulations limits of minimum and maximum load, dl/dt<0.2 A/µSec. Maximum voltage deviation is 3.5%.

Additional Information: Contact your local Allied sales representative or www.condorpower.com



GLC40 W, Commercial

Dim.: 4.96"L × 2.96"W × 1.20"D. Wght. (Lbs.): 1.0.

Stock No.	Mfr.'s Type	Voltage	Load Min.	Current	Total Reg.	V1 OVP Set	Noise (pk-pk)	EACH
								1-4
744-9108	GLC40A	+5.1 V +12.0 V -12.0 V	1 0 0	3.00 A 2.00 A 0.40 A	2% 6% 5%	6.2 ±0.6 V	50 mV 120 mV 120 mV	55.66
744-9109	GLC40B	+5.1 V +15.0 V -15.0 V	1 0 0	3.00 A 1.50 A 0.40 A	2% 6% 5%	6.2 ±0.6 V	50 mV 150 mV 150 mV	52.50
744-9110	GLC40D	+5.0 V +24.0 V -12.0 V	1 0 0	3.00 A 1.00 A 0.40 A	2% 6% 5%	6.2 ±0.6 V	50 mV 240 mV 120 mV	52.50
744-0005	GLC40-5	5.1 V	0	7.80 A	2%	6.2 ±0.6 V	50 mV	52.50
744-0006	GLC40-12	12.0 V	0	3.30 A	2%	14.0 ±1.1 V	120 mV	52.50
744-0007	GLC40-15	15.0 V	0	2.70 A	2%	18.5 ±1.5 V	150 mV	52.50
744-0008	GLC40-24	24.0 V	0	1.80 A	2%	28.5 ±2.5 V	240 mV	55.66
744-0009	GLC40-28	28.0 V	0	1.40 A	2%	34.0 ±2.8 V	280 mV	52.50

*Rating with unrestricted convection cooling. Total power not to exceed 40 W.

GLC50 W, Ultra Small, Commercial

For data processing applications, etc. Dim.: 2.50"L × 4.25"W × 1.25"D. Wght. (Ozs.): 5.

Stock No.	Mfr.'s Type	Voltage	Load Min.	Current	Total Reg.	V1 OVP Set	Noise (pk-pk)	EACH
								1-4
744-1000	GLC50A	+5.1 V +12.0 V -12.0 V	0.5 0.1 0.0	4.00 A 2.50 A 0.20 A	2% +10, -5% 3%	6.2 ±0.6 V	50 mV 120 mV 120 mV	56.18
744-1005	GLC50C	+5.1 V +15.0 V -15.0 V	0.5 0.1 0.0	4.00 A 2.50 A 0.20 A	2% +10, -5% 3%	6.2 ±0.6 V	50 mV 150 mV 150 mV	56.18
744-1010	GLC50D	+5.1 V +24.0 V -12.0 V	0.5 0.1 0.0	4.00 A 1.50 A 0.20 A	2% +10, -5% 3%	6.2 ±0.6 V	50 mV 240 mV 120 mV	56.18
744-0034	GLC50-3.3	3.3 V	0.0	8.00 A	2%	4.2 ±0.6 V	66 mV	56.18
744-0035	GLC50-5*	5.1 V	0.0	8.00 A	2%	6.2 ±0.6 V	75 mV	56.18
744-0036	GLC50-12	12.0 V	0.0	4.20 A	2%	14.0 ±1.1 V	120 mV	56.18
744-0037	GLC50-15	15.0 V	0.0	3.30 A	2%	18.5 ±1.5 V	150 mV	56.18
744-0038	GLC50-24	24.0 V	0.0	2.10 A	2%	28.0 ±2.5 V	240 mV	56.18
744-0039	GLC50-28	28.0 V	0.0	1.80 A	2%	34.0 ±2.8 V	280 mV	56.18
744-0040	GLC50-48	48.0 V	0.0	1.10 A	2%	55.0 ±4.0 V	480 mV	56.18

GLC65 W, Commercial

For data processing applications, etc. Dim.: 3.0"L × 5.0"W × 1.06"D. Wght. (Ozs.): Single output — 5; Multiple output — 6.5.

744-4080	GLC65A	+5.0 V +12.0 V -12.0 V	0.0 0.0 0.0	7.0/9.0 A† 3.0/5.0 A† 2.5/4.0 A†	2% 5% 6%	6.2 ±0.6 V	1% 1% 1%	84.29
744-4081	GLC65B	+5.0 V +15.0 V -15.0 V	0.0 0.0 0.0	7.0/9.0 A† 2.5/4.0 A† 2.0/3.0 A†	2% 4% 5%	6.2 ±0.6 V	1% 1% 1%	84.29
744-4082	GLC65D	+5.0 V +24.0 V -12.0 V	0.0 0.0 0.0	7.0/9.0 A† 1.5/2.5 A† 2.5/4.0 A†	2% 3% 6%	6.2 ±0.6 V	1% 1% 1%	84.29
744-4083	GLC65E	+5.0 V +24.0 V +12.0 V	0.0 0.0 0.0	7.0/9.0 A† 1.5/2.5 A† 2.5/4.0 A†	2% 3% 6%	6.2 ±0.6 V	1% 1% 1%	84.29
744-4084	GLC65G	+5.0 V +3.3 V +12.0 V	0.0 0.0 0.0	5.0/8.0 A† 4.0/5.0 A† 2.5/4.0 A†	3% 3% 6%	6.2 ±0.6 V	1% 1% 1%	84.29
744-4085	GLC65H	+3.3 V +5.0 V +12.0 V	0.0 0.0 0.0	5.0/8.0 A† 4.0/6.0 A† 2.5/3.0 A†	3% 3% 6%	4.3 ±0.8 V	1% 1% 1%	84.29
744-4050	GLC65-5	5.1 V	0.0	11.00 A	2%	6.2 ±0.6 V	1%	73.06
744-4052	GLC65-12	12.0 V	0.0	5.50 A	2%	14.0 ±1.1 V	1%	73.76
744-4054	GLC65-15	15.0 V	0.0	4.30 A	2%	18.5 ±1.5 V	1%	73.76
744-4060	GLC65-24	24.0 V	0.0	2.70 A	2%	28.0 ±2.5 V	1%	73.76
744-4062	GLC65-28	28.0 V	0.0	2.30 A	2%	34.0 ±2.8 V	1%	73.76
744-4063	GLC65-48	48.0 V	0.0	1.35 A	2%	55.0 ±4.0 V	1%	73.76

*41 Watts. †Convection/air flow.

GLM50 W, Ultra Small, Medical

UL2601, IEC601-1 and CSA 22.2 No. 601.1. Dim.: 2.50"L × 4.25"W × 1.25"D. Wght. (Ozs.): 5.

Stock No.	Mfr.'s Type	Voltage	Load Min.	Current	Total Reg.	V1 OVP Set	Noise (pk-pk)	EACH
								1-4
744-3300	GLM50A	+5.1 V +12.0 V -12.0 V	0.5 0.1 0.0	4.00 A 2.50 A 0.20 A	2% +10, -5% 3%	6.2 ±0.6 V	50 mV 120 mV 120 mV	64.61
744-3311	GLM50B	+5.1 V +15.0 V -15.0 V	0.5 0.1 0.0	4.00 A 2.50 A 0.20 A	2% +10, -5% 3%	6.2 ±0.6 V	50 mV 150 mV 150 mV	64.61
744-3315	GLM50D	+5.1 V +24.0 V -12.0 V	0.5 0.1 0.0	4.00 A 1.50 A 0.20 A	2% +10, -5% 3%	6.2 ±0.6 V	50 mV 240 mV 120 mV	64.61
744-3320	GLM50-3.3	3.3 V	0.0	8.00 A	2%	4.2 ±0.6 V	66 mV	64.61
744-7800	GLM50-5*	5.1 V	0.0	8.00 A	2%	6.2 ±0.6 V	75 mV	64.61
744-7805	GLM50-12	12.0 V	0.0	4.20 A	2%	14.0 ±1.1 V	120 mV	64.61
744-7810	GLM50-15	15.0 V	0.0	3.30 A	2%	18.5 ±1.5 V	150 mV	64.61
744-7815	GLM50-24	24.0 V	0.0	2.10 A	2%	28.0 ±2.5 V	240 mV	64.61
744-7820	GLM50-28	28.0 V	0.0	1.80 A	2%	34.0 ±2.8 V	280 mV	64.61
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GLM65 W, Medical

UL 2601, EN60601, CSA22.2 No. 601.1. Dim.: 3.0"L × 5.0"W × 1.06"D. Wght. (Ozs.): Single output — 5; Multiple output — 6.5.

744-4086	GLM65A	+5.0 V +12.0 V -12.0 V	0.0 0.0 0.0	7.0/9.0 A† 3.0/5.0 A† 2.5/4.0 A†	2% 5% 6%	6.2 ±0.6 V	1% 1% 1%	96.93
744-4087	GLM65B	+5.0 V +15.0 V -15.0 V	0.0 0.0 0.0	7.0/9.0 A† 2.5/4.0 A† 2.0/3.0 A†	2% 4% 5%	6.2 ±0.6 V	1% 1% 1%	96.93
744-4088	GLM65D	+5.0 V +24.0 V -12.0 V	0.0 0.0 0.0	7.0/9.0 A† 1.5/2.5 A† 2.5/4.0 A†	2% 3% 6%	6.2 ±0.6 V	1% 1% 1%	96.93
744-4089	GLM65E	+5.0 V +2.04 V +12.0 V	0.0 0.0 0.0	7.0/9.0 A† 1.5/2.5 A† 2.5/4.0 A†	2% 3% 6%	6.2 ±0.6 V	1% 1% 1%	96.93
744-4090	GLM65G	+5.0V +3.3 V +12.0 V	0.0 0.0 0.0	5.0/8.0 A† 4.0/5.0 A† 2.5/4.0 A†	3% 3% 6%	6.2 ±0.6 V	1% 1% 1%	96.93
744-4091	GLM65H	+3.3V +5.0 V +12.0 V	0.0 0.0 0.0	5.0/8.0 A† 4.0/6.0 A† 2.5/3.0 A†	3% 3% 6%	4.3 ±0.8 V	1% 1% 1%	96.93
744-4016	GLM65-5	5.1 V	0.0	11.00 A	2%	6.2 ±0.6 V	1%	77.70
744-4012	GLM65-12	12.0 V	0.0	5.50 A	2%	14.0 ±1.1 V	1%	77.70
744-4018	GLM65-15	15.0 V	0.0	4.30 A	2%	18.5 ±1.5 V	1%	77.70
744-4020	GLM65-24	24.0 V	0.0	2.70 A	2%	28.0 ±2.5 V	1%	77.70
744-4022	GLM65-28	28.0 V	0.0	2.30 A	2%	34.0 ±2.8 V	1%	77.70
744-4024	GLM65-48	48.0 V	0.0	1.35 A	2%	55.0 ±4.0 V	1%	74.00

*41 Watts. †Convection/air flow.