

Gold Box LINEAR REGULATED AC-DC single output Series A & B

- Shipped Within 3 Days
- All Models U.L. Recognized
- CE Certified

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- Five Year Warranty

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Gold Box SINGLE OUTPUT

LINEAR REGULATED AC-DC

SERIES A (High Performance)

- Shipped Within 3 Days
- All Models U.L. Recognized
- Five Year Warranty





SERIES A: HIGH PERFORMANCE POWER SUPPLIES

Series A power supplies offer unusually high performance—many models have regulation of $\pm 0.005\%$. Electronic current limiting and provision for remote voltage sensing are standard features; overvoltage protection is available as a built-in option. Rugged extruded aluminum cases include threaded mounting holes on bottom, back, and side, permitting mounting in any position.

STANDARD FEATURES

- Provision for remote sensing and/or external output
 adjustment
- Short circuit proof with automatic recovery (electronic current limiting)
- Can be mounted on any of three surfaces (case sizes H8, H11 and H16; two surfaces)

SPECIFICATIONS

Input Voltage: 105-125 VAC, 50-400 Hz, single phase.

Output Specifications: See pages F15 and F16. Series A supplies have model numbers beginning with the letter A.

Remote Voltage Adjustment/Sensing: Provision for sensing the output voltage across the load, so that drops in the load line are compensated, is a standard feature. This feature also permits the use of an externally located potentiometer to adjust output voltage.

Polarity: Output is floating; either positive or negative terminal may be grounded or floated up to 300 volts above ground.

Temperature Coefficient: 0.015%/°C (Typical).

Ambient Operating Temperature: –20 to +71°C.

Storage Temperature: -55 to +85°C.

Response Time: Less than 20 microseconds.

Mounting: Threaded mounting holes permit mounting to a chassis, cabinet wall or bracket. To mount from the power supply side of the mounting surface or for DIN rail mounting, see accessory Mounting Kits on page H3.

OPTIONS

Under/Overvoltage Alarm Contacts: To control a horn or light, or to signal your PLC. Available on models with nominal outputs of 5 Vdc to 125 Vdc. SPDT contacts switch if the power supply's output deviates by

- 1.0 volt or more: 5 volt models.
- 2.0 volts or more: 6 to 48 volt models.
- 3.0 volts or more: 50 to 125 volt models.



Online Ordering and Instant Quotes for ALL Acopian power supplies at **www.acopian.com 131 Loomis Street, Easton, PA 18045 • Phone: (610) 258-5441 • FAX: (610) 258-2842**



Contact ratings: 120 VAC, 8A / 60 Vdc, 1A. (To comply with SELV requirements, limit switched voltage to 60Vdc/42 VAC.) To order, add suffix "L" to model number. Models with this option are not yet UL Recognized/CE certified.

Overvoltage Protection: An internal preset overvoltage protector is available. To order, add prefix "V" to the model number.

Terminal Strip Cover: Clips on. To order, add suffix "M" to model number.

230 Volt Input: All models can be alternately furnished for operation on inputs of 210-250 VAC, 50-400 Hz. To order, add suffix "–230" to model number. The "–230" option requires two additional days.



SINGLE OUTPUT LINEAR REGULATED

SERIES B (General Purpose)

Shipped Within 3 Days
All Models U.L. Recognized

• Five Year Warranty

Gold Box

AC-DC



SERIES B: GENERAL PURPOSE POWER SUPPLIES

Series B power supplies are ideal for powering digital circuitry, test sets, instrument bridges, and process control transmitters. Many models have regulation of $\pm 0.1\%$ or better. All components are generously derated to insure a long and trouble-free life, and they use the same rugged construction as the Series A line. Overvoltage protection and other options are available.

STANDARD FEATURES

- Short circuit proof (electronic current limiting)
- May be mounted on any of three surfaces
- Completely serviceable

SPECIFICATIONS

Input Voltage: 105-125 VAC, 50-400 Hz, single phase. **Output Specifications:** See pages F15 and F16. Series B supplies have model numbers beginning with the letter B.

Remote Voltage Adjustment/Sensing: Available as an option. See below.

Polarity: Output is floating; either positive or negative terminal may be grounded or floated up to 300 volts above ground.

Temperature Coefficient: 0.02%/°C (Typical).

Ambient Operating Temperature: 0 to +71°C.

Storage Temperature: -55 to +85°C.

Mounting: Threaded mounting holes permit mounting to a chassis, cabinet wall or bracket. To mount from the power supply side of the mounting surface or for DIN rail mounting, see accessory Mounting Kits on page H3.

OPTIONS

Under/Overvoltage Alarm Contacts: To control a horn or light, or to signal your PLC. Available on models with nominal outputs of 5 Vdc to 125 Vdc. SPDT contacts switch if the power supply's output deviates by

- 1.0 volt or more: 5 volt models.
- 2.0 volts or more: 6 to 48 volt models.
- 3.0 volts or more: 50 to 125 volt models.

Contact ratings: 120 VAC, 8A / 60 Vdc, 1A. (To comply with SELV requirements, limit switched voltage to 60Vdc/42 VAC.) To order, add suffix "L" to model number. Models with this option are not yet UL Recognized/CE certified.

Overvoltage Protection: An internal preset overvoltage protector is available. To order, add prefix "V" to the model number.

Remote Voltage Sensing: Provision for sensing the output voltage across the load, so that drops in the load lines are compensated, is available on all models. (This option also permits the use of an externally located potentiometer to adjust output voltage.) To order, add prefix "R" to the model number.

Terminal Strip Cover: Clips on. To order, add suffix "M" to model number.

230 Volt Input: All models can be alternately furnished for operation on inputs of 210-250 VAC, 50-400 Hz. To order, add suffix "–230" to model number. The "–230" option requires two additional days.



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SERIES A & B

Nominal	Ad-	Out	put Curi			Regulation			
Output Voltage	just ±V	40°C	Amps. a 55°C	11 71°C	Load ± %*	Line ± %*	mV RMS	Model	Case Size
1.5	.5	6.0	4.3	3.5	.005	.005	.250	A1.5MT600	M6
1.5	.5	9.0	7.2	5.5	.005	.005	.250	A1.5MT900	M9
1.5	.5	12.0	10.0	8.0	.005	.005	.250	A1.5MT1200	M13
1.5 1.5	.5 .5	22.0 32.0	18.5 27.0	15.5 22.5	.005 .005	.005 .005	.250 .250	A1.5H2200 A1.5H3200	H11 H16
2	.5	6.0	4.3	3.5	.005	.005	.250	A1.5H5200 A2MT600	M6
2	.5	12.0	10.0	8.0	.005	.005	.250	A2MT1200	M13
3	.5	.500	.500	.500	.2	.1	1	B3G50	G3
3	.5	1.2	1.1	1.0	.2	.1	1	B3G120	G3
3 3	.5 .5	2.1 4.0	2.1 3.5	2.0 3.0	.5 .5	.1 .1	1 1.5	B3G210 B3G400	G5 G6
3	.5	6.0	4.3	3.5	.005	.005	.250	A3MT600	M6
3	.5	9.0	7.2	5.5	.005	.005	.250	A3MT900	M9
3	.5	12.0	10.0	8.0	.005	.005	.250	A3MT1200	M13
3	.5	17.0	14.5	12.0	.005	.005	.250	A3H1700	H8
3 3	.5 .5	20.0 30.0	16.5 25.0	13.5 20.0	.005 .005	.005 .005	.250 .250	A3H2000 A3H3000	H11 H16
3.3	.5	.500	.500	.500	.003	.005	.230	B3.3G50	G3
3.3	.5	1.2	1.1	1.0	.2	.1	1	B3.3G120	G3
3.3	.5	2.1	2.1	2.0	.5	.1	1	B3.3G210	G5
3.3	.5	4.0	3.5	3.0	.5	.1	1.5	B3.3G400	G6
3.3	.5	6.0 7.0	4.3 5.9	3.5 4.9	.005 .5	.005 .1	.250 1.5	A3.3MT600 B3.3G700	M6 G9
3.3 3.3	.5 .5	9.0	5.9 7.2	4.9 5.5	.5 .005	.005	.250	A3.3MT900	M9
3.3	.5	12.0	10.0	8.0	.005	.005	.250	A3.3MT1200	M13
3.3	.5	17.0	14.5	12.0	.005	.005	.250	A3.3H1700	H8
3.3	.5	22.0	18.5	15.5	.005	.005	.250	A3.3H2200	H11
3.3	.5	32.0	27.0	22.5	.005	.005	.250	A3.3H3200	H16
5 5	.5 .5	.500 1.2	.500 1.1	.500 1.0	.1 .1	.1 .1	1	B5G50 B5G120	G3 G3
5	.5	1.7	1.5	1.3	.2	.1	1.5	B5G120	G3
5	.5	2.1	2.1	2.0	.2	.1	1.5	B5G210	G5
5	.5	4.0	3.5	3.0	.3	.1	1.5	B5G400	G6
5	.5	5.0	4.4	3.0	.4	.1	1.5	B5G500	G6
5 5	.5 .5	5.1 6.0	3.6 4.3	2.6 3.5	.005 .005	.005 .005	.250 .250	A5MT510 A5MT600	M6 M6
5	.5	8.0	7.0	5.0	.005	.005	1.5	B5G800	G9
5	.5	9.0	7.2	5.5	.005	.005	.250	A5MT900	M9
5	.5	10.0	9.0	7.0	.4	.1	1.5	B5G1000	G13
5	.5	12.0	10.0	8.0	.005	.005	.250	A5MT1200	M13
5	.5	17.0	14.5	12.0	.005	.005	.250	A5H1700	H8
5 5	.5 .5	22.0 32.0	18.5 27.0	15.0 22.0	.005 .005	.005 .005	.250 .250	A5H2200 A5H3200	H11 H16
6	1	.500	.500	.500	.1	.1	1	B6G50	G3
6	.5	1.2	1.1	1.0	.1	.1	1	B6G120	G3
6	.5	1.7	1.5	1.3	.2	.1	1.5	B6G170	G3
6	.5	3.2	3.1	3.0	.3	.1	1.5	B6G320	G6
6 6	.5 .5	4.9 6.0	3.5 4.5	2.5 3.5	.005 .005	.005 .005	.250 .250	A6MT490 A6MT600	M6 M6
6	.5	8.5	7.5	5.2	.005	.005	.250	A6MT850	M9
6	.5	11.0	9.3	7.5	.005	.005	.250	A6MT1100	M13
6	.5	16.0	13.6	11.2	.005	.005	.250	A6H1600	H8
6	.5	21.0	17.0	14.0	.005	.005	.250	A6H2100	H11
<u>6</u> 7	.5 1	28.0	23.0 .500	19.0 .500	.005 .1	.005 .05	.250 1	A6H2800 B7G50	H16 G3
7	1	1.0	1.0	1.0	.1	.05	1	B7G100	G3
7	.5	2.0	2.0	2.0	.2	.1	1.5	B7G200	G5
7	.5	3.0	2.7	2.5	.3	.1	1.5	B7G300	G6
7	.5	5.0	4.0	3.0	.005	.005	.250	A7MT500	M6
7 7	.5 .5	6.5 8.0	5.2 6.5	4.0 5.0	.4 .005	.1 .005	1.0 .250	B7G650 A7MT800	G9 M9
7	.5	10.0	8.0	7.0	.005	.005	1.5	B7G1000	G13
7	.5	10.0	8.8	7.0	.005	.005	.250	A7MT1000	M13
8	1	.500	.500	.500	.1	.05	1	B8G50	G3
8	1	1.0	1.0	1.0	.1	.1	1	B8G100	G3
8	.5	2.0	2.0	2.0	.2	.1	1.5	B8G200	G5
8 8	.5 .5	3.0 5.0	2.7 4.0	2.5 3.5	.2 .005	.1 .005	1.5 .250	B8G300 A8MT500	G6 M6
8	.5	6.5	4.0 5.2	4.0	.005	.005	1.5	B8G650	G9
8	.5	8.0	6.5	5.0	.005	.005	.250	A8MT800	M9
8	.5	10.0	8.0	7.0	.4	.1	1.5	B8G1000	G13
8	.5	10.5	8.8	7.0	.005	.005	.250	A8MT1050	M13
	.5	20.0	16.8	13.5	.005	.005	.250	A8H2000	H11
8		28.0	23.0	19.0 .500	.005 .1	.005 .05	.250 1	A8H2800 B9G50	H16 G3
8	.5 1	.500	.500						
	.5 1 1	.500 1.0	.500 1.0	1.0	.1	.1	1	B9G100	G3
8 9 9 9	1					.1 .1	1 1.5		
8 9 9 9 9	1 1 .5 .5	1.0 2.0 3.0	1.0 2.0 2.7	1.0 2.0 2.5	.1 .2 .2	.1 .1	1.5 1.5	B9G100 B9G200 B9G300	G3 G5 G6
8 9 9 9	1 1 .5	1.0 2.0	1.0 2.0	1.0 2.0	.1 .2	.1	1.5	B9G100 B9G200	G3 G5

Nominal	Ad-	Out	put Curi		<u> </u>		Ripple		
Output Voltage	just ±V	40°C	Amps. a 55°C	π 71°C	Load ± %*	Line ± %*	mV RMS	Model	Case Size
10	1	.500	.500	.500	.1	.05	1	B10G50	G3
10	1	1.0	1.0	1.0	.1	.1	1	B10G100	G3
10	.5	2.0	2.0	2.0	.2	.1	1.5	B10G200	G5
10	.5	3.0	2.7	2.5	.2	.1	1.5	B10G300	G6
10	.5	4.5	3.6	2.7	.005	.005	.250	A10MT450	M6
10	.5	6.0	5.0	4.0	.3	.1	1.5	B10G600	G9
10	.5	7.5 10.0	6.0 8.3	4.5 7.0	.005 .4	.005	.250 1.5	A10MT750	M9 G13
10 10	.5 .5	10.0	8.3	7.0	.4	.1 .005	.250	B10G1000 A10MT1000	M13
10	.5	14.0	11.9	9.8	.005	.005	.250	A10H1400	H8
10	.5	18.0	15.0	12.0	.005	.005	.250	A10H1800	H11
10	.5	25.0	20.0	16.5	.005	.005	.250	A10H2500	Н16
12	1	.500	.500	.500	.1	.05	1	B12G50	G3
12	1	1.0	1.0	1.0	.1	.1	1	B12G100	G3
12	.5	2.0	1.7	1.5	.2	.1	1.5	B12G200	G5
12	.5	3.0	2.7	2.5	.2	.1	1.5	B12G300	G6
12	.5	3.8	3.3	2.6	.2	.1	1.5	B12G380	G6
12	.5	4.0	3.3	2.6	.005	.005	.250	A12MT400	M6
12	.5	6.5	5.3	4.0	.3	.1	1.5	B12G650	G9
12	.5	6.5	5.3	4.0	.005	.005	.250	A12MT650	M9
12 12	.5 .5	9.0	7.5 7.5	6.0	.4	.1 .005	1.5 .250	B12G900 A12MT900	G13
12	.5 .5	9.0 13.0		6.0 9.1	.005	.005	.250	A12H1300	H8
12	.5 .5	13.0	11.0 14.3	9.1 11.5	.005	.005	.250	A12H1300 A12H1700	но Н11
12	.5	21.0	14.3	14.5	.005	.005	.250	A12H1700	H16
12	.5 1	.500	.500	.500	.005	.005	.250	B13G50	G3
13	1	1.5	1.4	1.3	.1	.00	1.5	B13G150	G3
13	.5	2.0	2.0	2.0	.2	.1	1.5	B13G200	G5
13	.5	3.0	2.7	2.5	.2	.1	1.5	B13G300	G6
13	.5	3.5	3.0	2.5	.005	.005	.250	A13MT350	M6
13	.5	5.0	4.5	4.0	.2	.1	1.5	B13G500	G9
13	.5	8.0	7.5	7.0	.3	.1	1.5	B13G800	G1:
13	.5	8.0	7.5	7.0	.005	.005	.250	A13MT800	M1
14	1	.500	.500	.500	.1	.05	1	B14G50	G3
14	1	1.5	1.4	1.3	.1	.1	1.5	B14G150	G3
14	.5	2.0	2.0	2.0	.2	.1	1.5	B14G200	G5
14	.5	3.0	2.7	2.5	.2	.1	1.5	B14G300	G6
14	.5	3.0	2.7	2.5	.005	.005	.250	A14MT300	M6
14 14	.5 .5	5.0	4.5	4.0	.2 .3	.1	1.5 1.5	B14G500 B14G700	G9
14	.5 .5	7.0 8.0	6.5 7.5	6.0 7.0	.005	.1 .005	.250	A14MT800	G1: M1
15	.5	.750	.750	.750	.005	.005	.230	B15G75	G3
15	1	1.0	1.0	1.0	.1	.1	1	B15G100	G3
15	1	1.5	1.4	1.3	.1	.1	1.5	B15G150	G3
15	.5	2.0	1.7	1.5	.1	.1	1.5	B15G200	G5
15	.5	3.0	2.8	2.5	.1	.1	1.5	B15G300	G6
15	.5	3.0	2.8	2.5	.005	.005	.250	A15MT300	M6
15	.5	4.2	3.8	3.0	.15	.1	1.5	B15G420	G9
15	.5	5.5	4.7	4.0	.005	.005	.250	A15MT550	M9
15	.5	6.0	5.0	4.0	.2	.1	1.5	B15G600	G9
15	.5	7.0	6.0	5.0	.2	.1	1.5	B15G700	G1:
15	.5	8.0	6.5	5.5	.005	.005	.250	A15MT800	M1
15	.5	11.5	9.7	8.0	.005	.005	.250	A15H1150	H8
15 15	.5 .5	15.0	12.8	10.5	.005	.005	.250	A15H1500	H1 ⁻
15	.5 1	19.0 .300	16.3 .300	13.5 .300	.005	.005	.250 1	A15H1900 B16G30	G3
16	.5	1.0	1.0	1.0	.05	.05	1	B16G100	G3
16	.5	3.0	2.5	2.0	.15	.1	1	B16G300	G9
16	.5	5.0	5.0	5.0	.2	.1	1.5	B16G500	G9
16	.5	6.5	6.0	5.5	.005	.005	.250	A16MT650	M1
18	1	.300	.300	.300	.05	.05	1	B18G30	G3
18	1	.750	.750	.750	.1	.1	1	B18G75	G3
18	.5	1.1	1.1	1.0	.1	.1	1	B18G110	G5
18	.5	2.1	2.0	1.8	.1	.1	1	B18G210	G5
18	.5	2.1	2.1	2.0	.005	.005	.250	A18MT210	M6
18	.5	3.0	2.8	2.5	.15	.1	1	B18G300	G9
18	.5	4.5	4.0	3.5	.005	.005	.250	A18MT450	M9
18 18	.5 .5	6.5 14.0	6.0 12.0	5.5 10.0	.005 .005	.005 .005	.250 .250	A18MT650 A18H1400	M1 H1
18	.5 .5	14.0	12.0	13.0	.005	.005	.250	A18H1800	H10
20	.5	.300	.300	.300	.005	.005	.250	B20G30	G3
20	1	.750	.750	.750	.1	.05	1	B20G75	G3
20	1	1.1	1.1	1.0	.1	.00	1	B20G110	G5
20	.5	1.7	1.7	1.5	.1	.1	1.5	B20G170	G5
20	.5	2.0	2.0	2.0	.005	.005	.250	A20MT200	M6
20	.5	2.7	2.0	1.2	.15	.1	1.5	B20G270	G6
20	.5	4.0	3.5	3.0	.005	.005	.250	A20MT400	M9
20	.5	5.0	5.0	5.0	.15	.1	1.5	B20G500	G1:
	.5	6.0	5.5	5.0	.005	.005	.250	A20MT600	M1
20				6.6	.005	.005	.250	A20H950	H8
20	.5	9.5	8.0	6.6					
	.5 .5 .5	9.5 13.0 16.0	8.0 11.3 14.0	9.5 12.0	.005	.005	.250 .250	A20H1300 A20H1600	H1 ⁻ H1

*or 2 mv, whichever is greater







SERIES A & B

Nominal	٨٨	Out	put Curr	rent	Regulation		Ripple		
Output	Ad- just		Amps. a	nt	Load	Line	mV		Case
Voltage	έV	40°C	55°C	71℃	± %	± %	RMS	Model	Size
24	1 1	.300	.300 .750	.300 .750	.05 .1	.05	1 1	B24G30	G3
24 24	1	.750 1.1	1.1	1.0	1.1	.05 .1	1.5	B24G75 B24G110	G3 G5
24	.5	1.7	1.7	1.5	.1	.1	1.5	B24G170	G5
24	.5	2.1	2.0	2.0	.1	.1	1.5	B24G210	G5
24	.5	2.1	2.0	2.0	.005	.005	.250	A24MT210	M6
24 24	.5 .5	3.5 3.5	3.0 3.0	2.5 2.5	.15 .005	.1 .005	1.5 .250	B24G350 A24MT350	G9 M9
24	.5	5.0	5.0	5.0	.15	.1	1.5	B24G500	G13
24	.5	5.5	5.0	4.5	.005	.005	.250	A24MT550	M13
24 24	.5 .5	8.5 12.0	7.2 10.5	5.9	.005	.005 .005	.250 .250	A24H850 A24H1200	H8 H11
24	.5 .5	12.0	13.0	9.0 11.0	.005	.005	.250	A24H1200 A24H1500	H16
25	1	.300	.300	.300	.05	.05	1	B25G30	G3
25	1	.750	.750	.750	.1	.05	1	B25G75	G3
25 25	1 .5	1.1 1.7	1.1 1.7	1.1 1.5	.1 .1	.1 .1	1.5 1.5	B25G110 B25G170	G5 G5
25	.5 .5	2.1	2.1	2.0	.1	.1	1.5	B25G210	G5 G5
25	.5	3.5	3.0	2.5	.15	.1	1.5	B25G350	G9
25	.5	5.0	5.0	5.0	.15	.1	1.5	B25G500	G13
28 28	1 1	.300 .500	.300 .500	.300 .500	.05 .05	.05 .05	1	B28G30	G3 G3
28	1	.500	.500	.500	.05	.05	1	B28G50 B28G80	G3 G5
28	1	1.1	1.1	1.0	.1	.05	1	B28G110	G5
28	.5	1.8	1.6	1.5	.1	.1	1.5	B28G180	G5
28 28	.5	2.1 2.1	2.1 2.1	2.0 2.0	.1 .005	.1 .005	1.5 .250	B28G210 A28MT210	G5 M6
28	.5 .5	3.0	2.1	2.0	.005	.005	.250 1.5	B28G300	G9
28	.5	3.0	2.7	2.5	.005	.005	.250	A28MT300	M9
28	.5	5.0	5.0	5.0	.15	.1	1.5	B28G500	G13
28	.5	5.0	5.0	5.0	.005	.005	.250	A28MT500	M13
28 28	.5 .5	8.0 11.0	6.8 9.5	5.6 8.0	.005	.005 .005	.250 .250	A28H800 A28H1100	H8 H11
28	.5	14.0	12.0	10.0	.005	.005	.250	A28H1400	H16
30	1	.300	.300	.300	.05	.05	1	B30GT30	G3
30 30	1 1	.500	.500	.500	.05	.05	1	B30GT50	G3 G5
30	.5	1.1 1.7	1.1 1.6	1.0 1.5	.1 .1	.1 .1	1.5	B30GT110 B30GT170	G5 G5
30	.5	2.1	2.1	2.0	.1	.1	1.5	B30G210	G6
30	.5	2.1	2.1	2.0	.005	.005	.250	A30MT210	M6
30 30	.5 .5	3.0 5.0	2.7	2.5	.005 .15	.005 .1	.250	A30MT300 B30GT500	M9 G13
30	.5 .5	5.0	5.0 5.0	5.0 5.0	.005	.005	1.5 .250	A30MT500	M13
30	.5	7.5	6.3	5.2	.005	.005	.250	A30H750	H8
30	.5	10.0	9.0	8.0	.005	.005	.250	A30H1000	H11
30 32	.5 1	14.0 .300	12.0 .300	10.0 .300	.005 .05	.005	.250 1	A30H1400 B32GT30	H16 G3
32	1	.500	.500	.500	.05	.05		B32GT50 B32GT50	G3
32	1	1.0	1.0	1.0	.1	.1	1	B32GT100	G5
32	1	1.5	1.5	1.5	.1	.1	1.5	B32GT150	G5
32	.5	1.8	1.6	1.3	.005	.005	.250	A32MT180	M6
32 32	.5 .5	2.5 9.0	2.1 7.5	1.7 6.0	.005	.005 .005	.250 .250	A32M1250 A32HT900	M9 H11
34	1	.300	.300	.300	.05	.05	1	B34GT30	G3
34	1	.800	.800	.800	.1	.1	1	B34GT80	G5
34 35	1	1.5 .100	1.5 .100	1.5 .100	.1 .05	.1 .05	1.5 1	B34GT150 B35GT10	G5 G3
35	1	.300	.300	.300	.05	.05	1	B35GT30	G3
35	1	.500	.500	.500	.05	.05	1	B35GT50	G3
35	1	.600	.600	.600	.1	.05	1	B35GT60	G3
35 36	1	.800 .100	.800 .100	.800 .100	.1 .05	.1 .05	1.5 1	B35GT80 B36GT10	G5 G3
36	1	.500	.500	.500	.05	.05	1	B36GT50	G3
36	1	.800	.750	.700	.1	.05	1	B36GT80	G5
36 36	.5 .5	1.3 1.3	1.3 1.3	1.3 1.3	.1 .005	.1 .005	1.5 .250	B36GT130 A36MT130	G6 M6
36	.5 .5	2.3	2.0	1.8	.005	.005	.250 1.5	B36GT230	G9
36	.5	2.3	2.0	1.8	.005	.005	.250	A36MT230	M9
36	.5	4.0	3.2	2.5	.005	.005	.250	A36MT400	M13
36 36	.5	8.0	6.6 9.1	5.3 7 2	.005	.005	.250	A36HT800 A36HT1100	H11
40	.5 1	11.0 .200	9.1 .200	7.2	.005 .05	.005 .05	.250 1	A36HT1100 B40GT20	H16 G3
40	1	.400	.400	.400	.05	.05	1	B40GT40	G3
40	1	.500	.500	.500	.1	.05	1	B40GT50	G5
40 45	1	1.0 .200	1.0 .200	1.0 .200	.1 .05	.1 .05	1.5 1	B40GT100 B45GT20	G6 G3
45	1	.200	.200	.400	.05	.05	1	B45GT20 B45GT40	G3
		-				-			

Nominal	Ad-	Out	put Curr				Ripple		
Output Voltage	just ±V	40°C	Amps. a 55°C	π 71°C	Load ±%	Line ± %	mV RMS	Model	Case Size
48	1	.200	.200	.200	.05	.05	1	B48GT20	G3
48	1	.400	.400	.400	.05	.05	1	B48GT40	G3
48	1	.600	.600	.600	.1	.1	1	B48GT60	G5
48 48	1	1.1 1.2	1.0 1.0	.600 .800	.1	.1 .005	1.5 .250	B48GT110 A48MT120	G6 M6
48	1	1.8	1.6	1.2	.005	.005	.250	A48MT180	M9
48	1	3.0	2.6	2.1	.005	.005	.250	A48MT300	M13
48	1	6.0	5.0	4.0	.005	.005	.250	A48HT600	H11
48 50	1	8.5 .400	7.2	5.5 .400	.005	.005 .05	.250 1	A48HT850 B50GT40	H16 G3
50	1	.500	.500	.500	.05	.05	i l	B50GT50	G5
50	1	1.0	.800	.700	.005	.005	.250	A50MT100	M6
50	1	1.5	1.3	1.0	.005	.005	.250	A50MT150	M9
50 50	1	2.7 6.0	2.3 5.0	1.8 4.0	.005	.005 .005	.250 .250	A50MT270 A50HT600	M13 H11
50	1	8.0	6.6	4.0 5.2	.005	.005	.250	A50HT800	H16
55	1	.500	.500	.500	.05	.05	1	B55GT50	G5
60	1	.200	.200	.200	.05	.05	1	B60GT20	G3
60	1	.300	.300	.300	.05	.05	1	B60GT30	G3
60 60	1	.400 .850	.400 .720	.400 .600	.05	.05 .005	1 .250	B60GT40 A60MT85	G5 M6
60	i	1.2	1.0	.800	.005	.005	.250	A60MT120	M9
60	1	2.5	2.1	1.7	.005	.005	.250	A60MT250	M13
60	1	5.0	4.1	3.3	.005	.005	.250	A60HT500	H11
60	1	7.0	5.8	4.6	.005	.005	.250	A60HT700	H16
65 70	1	.300	.300	.300	.05 .05	.05 .05	1	B65GT30 B70GT10	G3 G3
70	1	.300	.300	.300	.05	.05	1	B70GT30	G3
75	1	.050	.050	.050	.05	.05	1	B75GT05	G3
75	1	.200	.200	.200	.05	.05	1	B75GT20	G3
75	1	.600	.500	.400	.005	.005	.250	A75MT60	M6
75 75	1	1.0 2.0	.830 1.8	.660 1.5	.005	.005 .005	.250 .250	A75MT100 A75MT200	M9 M13
75	1	4.0	3.3	2.6	.005	.005	.250	A75HT400	H11
75	1	5.6	4.6	3.6	.01	.01	1	A75HT560	H16
80	1	.100	.100	.100	.05	.05	1	B80GT10	G3
80	1	.200	.200	.200	.05	.05	1	B80GT20	G3
85 90	1	.200	.200	.200	.05 .05	.05 .05	1	B85GT20 B90GT20	G3 G3
90	1	.500	.400	.300	.005	.005	.250	A90MT50	M6
90	1	.800	.700	.600	.005	.005	.250	A90MT80	M9
90	1	1.5	1.3	1.0	.005	.005	.250	A90MT150	M13
90 90	1	3.3 4.4	2.7 3.6	2.1 2.9	.01 .01	.01 .01	1 1	A90HT330 A90HT440	H11 H16
90	1	.200	.200	.200	.01	.01	1	B95GT20	G3
100	1	.100	.100	.100	.05	.05	1	B100GT10	G3
100	1	.200	.200	.200	.05	.05	1	B100GT20	G3
100	1	.460	.460	.340	.1	.1	1.5	B100GT46	G6
100 100	1	.650 .700	.650 .600	.650 .500	.1	.1 .005	1.5 .250	B100G65 A100M70	G6 M6
100	1	1.3	1.2	1.0	.005	.005	.250	A100MT130	M13
100	1	3.0	2.5	2.0	.01	.01	1	A100HT300	H11
100	1	4.0	3.3	2.6	.01	.01	1	A100HT400	H16
110	1	.200	.200	.200	.05	.05	1	B110GT20	G3
120 120	1 1	.100 .200	.100 .200	.100 .200	.05 .05	.05 .05	1 1	B120GT10 B120GT20	G3 G3
120	1	.200	.200	.200	.05	.05	1.5	B120G120 B120GT40	G6 G6
120	1	.550	.550	.550	.1	.1	1.5	B120G55	G6
120	1	.600	.500	.400	.005	.005	.250	A120M60	M6
120	1	1.2	1.1	1.0	.005	.005	.250	A120MT120	M13
120 120	1	2.5 3.5	2.0 2.9	1.6 2.3	.01 .01	.01 .01	1 1	A120HT250 A120HT350	H11 H16
125	1	.200	.200	.200	.05	.05	1	B125GT20	G3
125	1	.400	.400	.300	.1	.1	1.5	B125GT40	G6
125	1	.500	.400	.300	.005	.005	.250	A125MT50	M6
125	1	.550	.550	.550	.1	.1	1.5 .250	B125G55	G6 M13
125 125	1	1.2 2.5	1.1 2.0	1.0 1.6	.005	.005 .01	.250 1	A125MT120 A125HT250	H11
125	1	3.5	2.9	2.3	.01	.01	1	A125HT350	H16
130	1	.200	.200	.200	.05	.05	1	B130GT20	G3
135	1	.200	.200	.200	.05	.05	1	B135GT20	G3
140	1	.200	.200	.200	.05	.05	1	B140GT20 B150GT10	G3
150 150	1	.100 .200	.100 .200	.100 .200	.05 .05	.05 .05	1	B150GT10 B150GT20	G3 G3
150	1	.320	.320	.250	.1	.05	1.5	B150GT32	G6
150	1	.420	.420	.420	.1	.1	1.5	B150GT42	G9
150	1	1.0	.900	.800	.005	.005	.250	A150MT100	M13
150	1	3.0	2.5	2.0	.01	.01	1	A150HT300 B200GT10	H16 G3
200	I	.100	.100	.100	.1	.05	1.5	B200GT10	43

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MOUNTING KITS

SIDE

MOUNTING

WALL MOUNTING KITS

These kits provide a way of mounting power supplies on a wall or panel when the other side of the mounting surface is inaccessible. Each kit consists of four aluminum brackets and four machine screws for fastening them to the power supply, effectively adding mounting flanges to the power supply.

For 'Gold Box' and (modular) 'High Voltage' power supplies:

GB8 Mounting Kit (#8-32 mounting holes)

Can be used on these case sizes:

CM6, CM9, CM13, CH11, CH16, DG5, DG6, DG9, G3, G5, G5D, G6, G9, G13, GT5, GT6, GT9, GT13, H8, H11, H16, HD345, HD355, HA349, HA359, HT11, HT16, LM6A*, LM8A*, LM10A*, M6, M9, M13, RM6, RW6 TG5, TG6, TG9, TG13, TH11, WG7, WM6, WM9, Y3, Y5, Y6, YH11, YA *For rear mounting brackets <u>horizontally</u> on *LM cases only*, use GBR Mounting Kit

For 'Narrow Profile' power supplies:

NP6 Mounting Kit (#6-32 mounting holes) Can be used on these case sizes: AMC, CN8T, DN6B, DN6A, DN8A, DN8, F6T, F8T, N8T, WL7, WL9, WN6A, WN6B, WN8, WN8A, WN8B, TN6T

NP6L Mounting Kit (#6-32 mounting holes)

Can be used on these case sizes:

CN8H, N8H, TN8H

Model NP6L consists of two brackets 1.5" long as shown above, and two 2.5" long brackets (to extend beyond heat sink).

DIN RAIL MOUNTING KITS

<u>CH35DIN Mounting Kit</u> (Horizontal mounting) Can be used on these case sizes: RM6, RW6

GH35DIN Mounting Kit (Horizontal mounting)

Can be used on these case sizes:

DG5	G3	GT5	M6	TG5	Y3
DG6	G5	GT6	M9	TG6	Y5
DG9	G5D	GT9	M13	TG9	Y6
	G6	GT13		TG13	
	G9				
	G13				
	DG6	DG6 G5 DG9 G5D G6 G9	DG6 G5 GT6 DG9 G5D GT9 G6 GT13 G9	DG6 G5 GT6 M9 DG9 G5D GT9 M13 G6 GT13 G9	610

GR35DIN Mounting Kit (Rear mounting)

Can be used on these case sizes:

CM6	DG5	G3	GT5	HD345	M6	RM6	TG5	Y3
CM9	DG6	G5	GT6	HD355	M9	RW6	TG6	Y5
	DG9	G5D G6 G9		(GR35DIN ca ot recommen G13, GT1	ded on	case size		Y6

LR35DIN Mounting Kit (Rear mounting) LV35DIN Mounting Kit (Vertical mounting) LH35DIN Mounting Kit (Horizontal mounting) Can be used on these case sizes: LM6A, LM8A, LM10A

NPH35DIN Mounting Kit (Horizontal mounting)

Can be used on these case sizes:								
CN8H	DN6A	F6T	N8H	TN6T	WN6A			
CN8T	DN6B	F8T	N8T	TN8H	WN6B			
	DN8				WN8			
	DN8A				WN8A			
					WN8B			

NPR35DIN Mounting Kit (Rear mounting)

Can be used on these case sizes:

CN8H F6T N8H TN6T CN8T F8T N8T TN8H

NPV35DIN Mounting Kit (Vertical mounting)

Can be used on these case sizes:								
CN8H	DN6A	F6T	N8H	TN6T	WN6A			
CN8T	DN6B	F8T	N8T	TN8H	WN6B			
	DN8				WN8			
	DN8A				WN8A			
					WN8B			

WH35DIN Mounting Kit (Horizontal mounting) Can be used on these case sizes: WM6, WM9

<u>WL35DIN Mounting Kit</u> (Vertical mounting) <u>WLH35DIN Mounting Kit</u> (Horizontal mounting) Can be used on these case sizes: WL7, WL9



LR35DIN







Acq

NOR HORE

REAR MOUNTING

BOTTOM



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GR35DIN



ACOPIAN SELLS FACTORY DIRECT WORLDWIDE: We do not use representatives or distributors. Contact Acopian for technical information or a quote.

WARRANTY: Acopian power supplies are warranted to be free from defects in material and workmanship for a period of five years (encapsulated devices, for one year) from date of original shipment. Acopian's obligation under this warranty is limited to repairing any power supply returned to the factory Service Department in Easton, PA or Melbourne, FL, and replacing any defective parts. Mini Encapsulated power supplies are not repairable. Authorization must be obtained from Acopian before a power supply may be returned for repair. Units must be well packed when shipping to Acopian; the repair of any damage incurred during shipment will be charged. Transportation charges are to be paid by the purchaser. A reinspection and handling charge will be applied to returned units found to have no defects. If a failure has been caused by misuse, operation in excess of specifications, or modification by the customer, repairs will be billed at cost; in such cases, a cost estimate will be submitted before work is started.

Acopian reserves the right to make changes or improvements in its products without incurring any obligation to install the same on products previously manufactured.

This warranty is in lieu of all other warranties, obligations, and liabilities, expressed or implied, and is the purchaser's exclusive remedy. Acopian makes no warranty, either express or implied, of merchantability, fitness for a particular purpose or otherwise. In no event shall Acopian be liable whether in contract, tort, or negligence, for special, indirect, incidental or consequential damages of any kind, including loss of business or profits, or any other losses incurred by the purchaser or any third party, the Customer's remedies being limited, at Acopian's option, to replacement, repair or credit at the price on the date of claim.

The validity, performance and construction of all terms and conditions and any sale made by Acopian shall be determined by the law of Pennsylvania, without regard to its conflict of law principles, and all parties to the transaction expressly consent to the jurisdiction of such courts and consent to the venue of the Court of Common Pleas for Northampton County, Pennsylvania.

PRICES: The prices shown are F.O.B. our factory; Easton, PA or Melbourne, FL. ('EXW Factory' if outside the 50 United States.) All prices and specifications are subject to change without notice.

TERMS: Net 30 days, subject to credit approval. Visa, MasterCard and American Express also accepted.

SHIPPING: Location permitting, small shipments are made by United Parcel Service, FedEx, DHL (international orders) or by Parcel Post; larger shipments, by insured motor freight collect. Shipments can be made by air upon request. Risk of loss shall be F.O.B. Our Factory, even in cases where freight may be prepaid or allowed to destination by Acopian. If equipment is received in damaged condition, it is the customer's responsibility to contact the carrier and file a claim for damages.

TIME FOR DELIVERY: The time for delivery quoted by Acopian is the time required to ship from our plants. We will not be liable for delays in delivery caused by any reason beyond our control, including but not limited to acts of God, casualty, civil disturbance, labor disputes, transportation or supply difficulties, or any interruption of our facilities, and the quoted time for delivery shall be extended during the continuance of such conditions and for a reasonable time thereafter. In no event will Acopian be liable for any premium transportation, reprocurement, or similar costs incurred by the Customer as a result of conditions beyond Acopian's control resulting in Acopian's inability to deliver product in accordance with customer's requested delivery schedules.

QUANTITY DISCOUNTS: Discounts are available to quantity buyers and are dependent upon the order quantity and the manufacturing scheduling anticipated by the order, and apply only to the quantity and delivery ordered. Partial shipments are considered as separate orders for discounting purposes.

EXPORT ORDERS: A minimum export documentation charge of \$60.00 applies. (A minimum charge of \$25.00 applies on orders to certain U.S. territories requiring customs forms.)

MOISTURE/FUNGUS PROOFING: Power supplies can be furnished with a moisture and fungus resistant varnish applied to interior surfaces. To order, add the suffix letter F to the model number. This option requires two additional days and is not available on High Voltage, Mini Encapsulated, Rack Mounting, and Gold Box Switching models.

TAGGING: Add \$10.00 to price.

TEST DATA: Cost, \$35.00 or 2% of order, whichever is greater.

SPECIAL MODELS/MODIFICATIONS: Cataloged models can be altered at the factory to meet special requirements. Contact the Applications Engineering Department to discuss your needs.

PARTS: The designs used in Acopian power supplies utilize standard components to the greatest practical extent. When replacements are required, the types originally used, or their equivalents, can usually be obtained most quickly from a local electronic components distributor.

Special components, such as transformers, are stocked at the factory warehouses. Contact the Applications Engineering Department for information on the parts required, referencing the model number of the power supply, the circuit designation of the component, and a description.

PURCHASE ORDER ACCEPTANCE: Orders are accepted subject to Acopian's Terms and Conditions. Any Terms and Conditions of any Purchaser's order, agreement, or understanding which are in addition to or inconsistent with Acopian's shall not be binding upon Acopian unless made in writing and accepted over the signature of an authorized officer of Acopian. Orders shall not be considered accepted until entered into production at our plant. Acopian reserves the right to refuse any order. All typographical and clerical errors are subject to correction by Acopian.

RETURNED GOODS: Acopian products are built on a per-order basis, and ordinarily no credit can be extended for their return. No goods will be accepted for return unless authorized in writing by Acopian.

CHANGES: The customer may, by a written notice, request changes within the general scope of the order, in the drawings, designs or specifications; method of shipment; and place of delivery. If any such change causes an increase or decrease in the cost, or the time required for the processing of any part of the order, an equitable adjustment shall be made in the price or delivery schedule, or both, and the order shall be modified in writing accordingly.

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OVERTIME: It is anticipated that any order will be processed during regular working hours on regular working days. If for any reason the Purchaser requests Acopian to process the order, or any portion of it, outside of such regular working hours, any overtime or other additional expense occasioned thereby shall be billed to and paid by the Purchaser as an extra cost. Acopian reserves the right to decline to process the order outside regular working hours.

CUSTOMER DELAY OF WORK: If the performance of all or any part of the work is delayed or interrupted by Customer's failure to act within the time specified (or within a reasonable time if no time is specified) and such act is not expressed or implied by the order, an adjustment shall be made in the cost of performance of the order caused by such delay or interruption and the order modified in writing accordingly. Adjustment will also be made in the delivery or performance dates and any other contractual provisions affected by such delay or interruption.

GOVERNMENT SPECIFICATIONS: Pricing is based upon industrial-grade construction, marking, packing, and packaging. Exception is taken to any MIL specifications, and to any requirements for the use of special forms, documentation other than quoted, and Government Source Inspection. Acopian must decline to quote on any other basis.

APPLICATIONS ASSISTANCE: Questions regarding the specifications, features, and use of any Acopian product should be directed to the Applications Engineering Department. A staff of power supply specialists will be pleased to assist you.

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