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D A T A S H E E T

Acopian Power Supplies

Gold Box Infinity

LINEAR REGULATED

AC-DC single & wide adjust output

- UL60950, UL508, CE Certified
- Shipped Within 6 Days
- Five Year Warranty



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- ALL Acopian products are made in the USA.



Acopian POWER SUPPLIES

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Order Factory Direct

Made in USA

Gold Box Infinity Power Supplies

LINEAR REGULATED (to 150 watts)

AC-DC

single output & wide adjust output

- UL60950, UL508, CE Certified
- Shipped Within 6 Days
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c UL us / CE / RoHS COMPLIANT / c UL us LISTED



STANDARD FEATURES

- Highly configurable, with a seemingly *Infinite* number of options
- Any slot voltage from 1.5v to 150v is available
- Remote Sensing
- Open Sense protection
- Isolated output
- Short circuit and overload protection with enhanced surge capabilities
- No minimum load required
- Internal EMI filtering
- Pluggable connectors
- Can be mounted on two surfaces in any orientation

SPECIFICATIONS

Input Voltage: 105-125 VAC, 50-420 Hz, single phase. (100-132 VAC, 60Hz with 30% derating.)

AC Input Current (maximum): 1.3A (LM6A case), 2A (LM8A case), 3A (LM10A case).

Internal Failure Protection: Provided by internal fuse.

Input Undervoltage: An input of less than 105 VAC will not damage power supply.

Regulation, Ripple (in constant voltage mode):
See tables on pages F32 and F33.

Regulation, Ripple (in constant current mode):
(Wide Adjust Output models)
Line Regulation: ±0.01% or 2 mA, whichever is greater.
Load Regulation: ±0.01% or 2 mA, whichever is greater.
Current Ripple: 0.25% rms.

Start-up Time: 75 to 150 ms.

Start-up Surge: 15% overcurrent for 500ms surge capability (Single Output models).

Turn-off: Exponentially decays to zero.

Transient Response: 300 µS to return to ±1% of output setting. Maximum of ±3% output excursion following a load step change from 50% to 100%.

Short Circuit and Overload Protection: A short or overload forces the power supply into foldback protection, (Single Output models) or into constant current mode (Wide Adjust Output models), with automatic recovery.

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

Storage Temperature: –55 to +85°C.

Temperature Coefficient (after 30 minute warm-up):
Voltage mode; ±0.01%/°C (typical).
Current mode (Wide Adjust models); ±0.005%/°C (typical).

Altitude rating: Operation to 10,000 ft and storage to 40,000 ft.

Polarity: Output is floating; either positive or negative terminal may be grounded or floated up to 300 volts above ground. Optional controls and monitors are referenced to the negative terminal.

Drift, Warm-up (first 30 minutes after turn-on, @ 25°C):
Voltage mode; ±0.03% or 5 mV, whichever is greater.
Current mode (Wide Adjust models); ±0.01% or 10 mA, whichever is greater.

Drift, Long Term (@ 25°C):
Voltage mode; ±0.01% or 5 mV, whichever is greater, over 8 hours.
Voltage mode; ±0.015% or 10 mV, whichever is greater, over 1000 hours.
Current mode (Wide Adjust models); ±0.01% or 5 mA, whichever is greater, over 8 hours.
Current mode (Wide Adjust models); ±0.02% or 10 mA, whichever is greater, over 1000 hours.

Remote Sensing: Provision for sensing the output voltage across the load, so that drops in the load line are compensated, is a standard feature. Compensates up to 0.5 Vdc drop per output line (or within the limits of the output voltage adjustment range). (Wide Adjust Output models compensate up to 0.5 Vdc drop per output line.)

Output Voltage Adjustment: Screwdriver accessible through the front panel.

Dielectric Withstand Voltage		Isolation
Input to output:	4242 Vdc	1000 Vdc
Input to case:	2121 Vdc	500 VAC
Output to case:	750 Vdc	300 VAC

Cooling: Forced-air cooled; air enters rear of power supply and exits from front cover.

Mounting: Threaded mounting holes permit mounting to a chassis, cabinet wall or bracket. To mount from the power supply side of the mounting surface use Mounting Kit GB8 or GBR. For DIN rail mounting use Mounting Kit LH35DIN, LR35DIN, or LV35DIN. See accessory Mounting Kits on page H3.

REGULATORY COMPLIANCE

Safety: UL60950-1, 2nd Edition; UL508 17th Edition. Refer to UL File for acceptability requirements.
UL508 File: E306586
UL60950 File: E208800

Gold Box Infinity Power Supplies

OPTIONS

A1-A4; Overvoltage Protection Options
Choose one: A1 or A2 or A3 or A4
A1; OVP set 15% above maximum rated output. Non-latching. (Available on Single Output models only. Not available with option C9.)
A2; OVP set 15% above maximum rated output. Latching. Includes latching overcurrent option C9. Reset by momentarily removing AC input power. (Available on Single Output models only.)
A3; OVP adjustable from Vout minimum to 15% higher than the maximum rated output voltage. Non-latching. Screwdriver adjustment accessible through the top panel. (Available on Single Output models only.)
A4; OVP tracks as Vout is adjusted; OVP triggers between 1v minimum above Vout to 15% above Vout. Latching. (Available on Wide Adjust Output models only.)

B1-B2; IEC AC Input Connector Options
Choose one: B1 or B2
B1; IEC inlet on the rear, with accessible fuse. (Not available with options B6, K5, L2 or on case size LM6A.)
B2; IEC inlet on the front, with accessible fuse. (Not available with options B5, B6, C8, E6, K5, L2.)

K3; 6' IEC AC input Cord 115 VAC
K4; 6' IEC AC input Cord 230 VAC

B3-B6,L1-L3; AC Input Voltage Options
Choose one: B3 or B4 or B5 or B6 or L1 or L2 or L3
B3; 210-250 VAC input. Internally fused for a single phase source.
B4; 105-125 VAC or 210-250 VAC input, selectable with switch on rear. Internally fused for a single phase source. (Not available with options B5, B9, K5 or on case size LM6A.)
B5; 105-125 VAC or 210-250 VAC input, selectable with switch on front. Internally fused for a single phase source. (Not available with option B2, B4, B8, C8, E6.)
B6; 105-125 VAC or 210-250 VAC strappable input. External fusing required.
Input voltage of 115 or 230 VAC can be selected by the use of jumpers on a 4 place pluggable terminal block located on the front panel. (Not available with options B1, B2, B3, C8, E6, K5.)
L1; 90-110 VAC input. Internally fused for a single phase source. (Add 5 days to standard shipping time.) (Not available with option C8)
L2; 22-26 VAC input. Internally fused for a single phase source. (Add 5 days to standard shipping time.) (Not available with options B1, B2, B8, B9, C8, E6, K7.)
L3; 195-220 VAC input. Internally fused for a single phase source. (Add 5 days to standard shipping time.) (Not available with options C8, E6.)

B8-B9; Power Switch Options
Choose one: B8 or B9
B8; AC on/off rocker switch on front panel. (Not available with options B5, C8, E6, L2.)
B9; AC on/off rocker switch on rear panel. (Not available with options B4, E6, L2 or on case size LM6A.)

C1-C2; Voltage Output Adjust and Current Limit Adjust Options
(standard: screwdriver slot accessible through the front panel for Vout adjust.)
Choose one: C1 or C2
C1; Front panel knobs; (one for voltage, one for current) used to adjust output voltage and current.
Current adjustment range is same as for option C2. (Available on Wide Adjust Output models only.)
C2; Current Limit adjustment screwdriver slot accessible through the front panel.
Single Output models; current adjustment range is ±10% of maximum rated output current.
Wide Adjust Output models; current adjustment range is from zero to maximum rated output current.

C3-C4; Inhibit or Enable Options
Choose one: C3 or C4
C3; Inhibit control, TTL compatible. To disable the supply, apply a voltage between the “Rtn” terminal and the “Inh/Ena” terminal. The voltage can be any value from +3 Vdc to +15 Vdc.
C4; Enable Control, TTL compatible. To enable the DC output, the “Inh/Ena” terminal must either be shorted to the “Rtn” terminal or pulled to within 0.8 Vdc of the “Rtn” terminal. An open collector or contact closure can be used.

Gold Box Infinity Power Supplies

OPTIONS (continued)

C5-C6; Output Programming Options (Wide Adjust models only) (voltage and/or current)

Choose one: C5 or C6

C5; The output voltage and current may be programmed from 0 to full rating by means of control voltage inputs of 0 to +5 Vdc.

C6; The output voltage and current may be programmed from 0 to full rating by means of control voltage inputs of 0 to +10 Vdc.

Voltage mode accuracy: 0.5%. Current mode accuracy: 0.5% or ±15 mA, whichever is greater. Accuracy percentages do not apply below 5% of output rating.

C7; Voltage and Current Monitoring

For models with no programming or with 0-10v programming (option "C6"):

Voltage Monitor Terminal: Permits remote monitoring of output voltage, stepped down by a ratio of 10:1 (for 3.3v to 90v models) or 100:1 (for 100v to 150v models). Accuracy is 0.5% of maximum rated output voltage.

Current Monitor Terminal: For models with greater than 10 amps output current: permits remote monitoring of output current, stepped down by a ratio of 100 mV/Amp (accuracy is 1% of maximum rated output current). For models with less than 10 amps output current: permits remote monitoring of output current, stepped down by a ratio of 1000 mV/Amp. (Accuracy is 1% of maximum rated output current or ±15 mA, whichever is greater.)

For models with 0-5v programming (option "C5"):

Voltage Monitor Terminal: Permits remote monitoring of output voltage, stepped down by a ratio of 10:1 (for 3.3v to 45v models) or 100:1 (for 48v to 150v models). Accuracy is 0.5% of maximum rated output voltage.

Current Monitor Terminal: For models with greater than 45 amps output current: permits remote monitoring of output current, stepped down by a ratio of 10 mV/Amp. For models with from 5 amps to 45 amps output current: permits remote monitoring of output current, stepped down by a ratio of 100 mV/Amp. For models with less than 4.5 amps output current: permits remote monitoring of output current, stepped down by a ratio of 1000 mV/Amp. (Accuracy is 1% of maximum rated output current or ±15 mA, whichever is greater.)

(When monitoring the output voltage and/or current by means of the monitor terminals, the use of an instrument having an input impedance of at least 10 megohms is recommended.)

C8; AC on/off control

Apply control voltage between terminals 21 and 22 to turn power supply on. Control voltage range is 11 to 28 Vdc (@ 65 mA maximum). (Not available with options B2, B5, B6, B8, E6, K7, L2.)

C9; Latching Overcurrent control

If current is greater than 15% of the maximum rated output current, the power supply latches off. Reset by momentarily removing AC input power. This option is included with Option A2. (Available on Single Output models only. Not available with option A1.)

D1; Over Temperature protection

An internal thermostat will automatically shut down the power supply in the event of an over temperature condition. Power supply resets automatically.

D2; Thermostatically controlled fan

Fan remains off until forced-air cooling is required.

E1; Output blocking protection diode

Used for battery charging or redundant applications. Derate output by 10%.

E2; Transient protection for electrically noisy environments

Transient protection for AC input and DC output.

E3; High Frequency pulsed load filtering

Recommended for applications such as "switched loads" and "stepper motors".

E4; Series Operation Diode

Allows power supplies to operate in series, for applications requiring higher output voltage.

E5; High Isolation Output

May be floated at 1000 Vdc above case.

(Available only on Single Output models with no options or with options B1-B9, D1, D2, F1, K6.)

E6; AC Inrush Current Limiting

AC inrush is limited by a 10 ohm impedance. (Not available with options B2, B5, B6, B8, C8, L2.)

Gold Box Infinity Power Supplies

OPTIONS (continued)

F1; Table top rubber feet

Alarm with Relay Contacts Options (Single Output models only)
Choose one: G1 or G2
G1; NC Relay contacts close when output voltage drops more than 10% below nominal.
G2; NO Relay contacts open when output voltage drops more than 10% below nominal.

G3; Status LEDs on Front Cover
Green LED indicates Vout is between -10% and +15% of rated output.
Red LED indicates a fault condition; thermal (for units with option D1), overcurrent, under or overvoltage.
(Available on Single Output models only.)

G4; 'Voltage output OK' Monitor
TTL High when Vout is between -10% and +15% of rated output. (Available on Single Output models only.)

G5; Temperature monitor
The temperature monitor is used to measure the power supply's internal temperature. Monitor output voltage is set to 2.5 Vdc at 25°C and varies above or below this value by 0.1 Vdc per °C. For example, if the temperature is 20°C the output will be 2 Vdc. (Not available with options H1-H8).

H1-H8; Additional Low Current Auxiliary Voltage Options
<1% initial Accuracy, ±0.5% Line and ±0.5% Load Regulation, <10mV peak-to-peak ripple. (Not available with option G5.)
Choose one: H1 or H2 or H3 or H4 or H5 or H6 or H7 or H8

H1; Auxiliary output:	3.3 Vdc, 0.1 amp
H2; Auxiliary output:	5 Vdc, 0.1 amp
H3; Auxiliary output:	12 Vdc, 0.1 amp
H4; Auxiliary output:	13.8 Vdc, 0.1 amp
H5; Auxiliary output:	15 Vdc, 0.1 amp
H6; Auxiliary output:	-5 Vdc, 0.1 amp
H7; Auxiliary output:	-12 Vdc, 0.1 amp
H8; Auxiliary output:	-15 Vdc, 0.1 amp

J3; Redundancy ('OR-ing' or 'Blocking Diode')
Redundancy is attained by simply wiring two units in parallel. Derate output by 10%.
(Available on Single Output models only. Not available with options A2, A3, G2, E5.)
Includes:
- Non-latching OVP set 15% above rated output (Option A1).
- Alarm with relay contacts that close when output voltage drops more than 10% below nominal (Option G1).
- Output blocking protection diode (Option E1).
- Remote sensing.

K3; 6' IEC AC input Cord 115 VAC

K4; 6' IEC AC input Cord 230 VAC

K5; Rear Panel AC input fuse (Not available with option B1, B2, B4, B6 or on case size LM6A.)

K6; Final Test Data
Final test data also includes an extended 8 hour burn-in. (Add 2 days to standard shipping time.)

K7; AC on/off LED on Front Cover (Not available with option L2.)
Red LED indicates AC is on.

L1-L3; see B3 thru B6 (that section includes L1, L2 and L3, which follows B3 thru B6.)

Gold Box Infinity Power Supplies

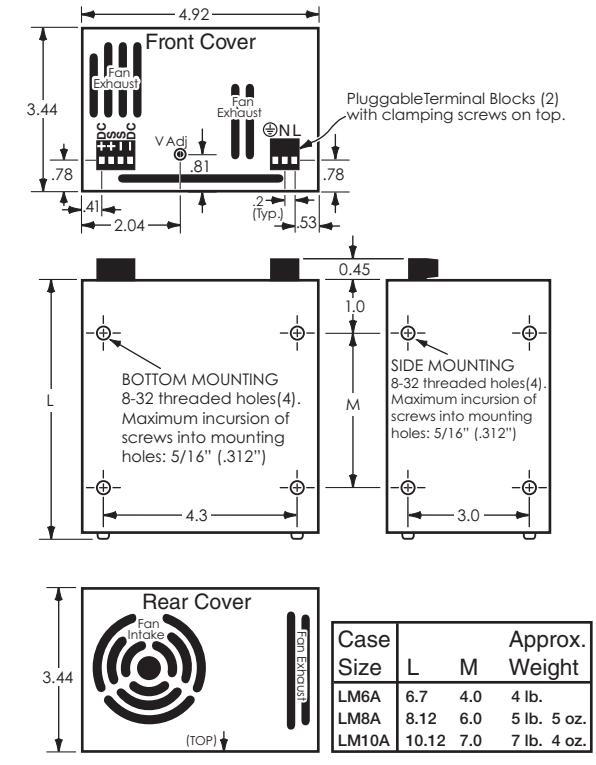
How to Order:

There are a seemingly infinite number of options available for the Acopian Gold Box Infinity power supplies! And even more options will be available soon! This guide should make it easy to select the model that you desire.

Add options as a suffix to the power supply model number. For example, if options **C3** and **C9** are selected, the suffix on the model number is ***C39***, denoting options **C3** and **C9**.

For example, power supply model L5MC500 with options **A1**, **B6**, **C3** and **C9**:
This model number would be L5MC500***A1B6C39***.

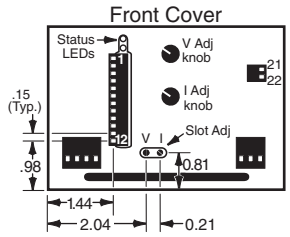
Base model drawing



Case Size	L	M	Approx. Weight
LM6A	6.7	4.0	4 lb.
LM8A	8.12	6.0	5 lb. 5 oz.
LM10A	10.12	7.0	7 lb. 4 oz.

All dimensions in inches.

Available options drawing



All dimensions in inches.

Gold Box Infinity Power Supplies

SINGLE OUTPUT MODELS

---------- Any other voltage between 1.5 and 150 can easily be made. ----------

Nominal Output Voltage	Adjust Range ± V	Output Current Amps. at 40°C	Output Current Amps. at 71°C	Regulation Load ±mv	Regulation Line ±mv	Ripple mV (@ 25 MHz BW) RMS	Ripple mV (@ 25 MHz BW) P-P	Model	Case Size
1.5	0.5	5	3.5	2	2	0.25	0.75	L1.5MC500	LM6A
1.5	0.5	10	7	2	2	0.25	0.75	L1.5MC1000	LM8A
1.5	0.5	13.2	9.2	2	2	0.25	0.75	L1.5MC1320	LM10A
3.3	0.5	5	3.5	2	2	0.25	0.75	L3.3MC500	LM6A
3.3	0.5	10	7	2	2	0.25	0.75	L3.3MC1000	LM8A
3.3	0.5	13.2	9.2	2	2	0.25	0.75	L3.3MC1320	LM10A
5	0.5	5	3.5	2	2	0.25	0.75	L5MC500	LM6A
5	0.5	10	7	2	2	0.25	0.75	L5MC1000	LM8A
5	0.5	13.2	9.2	2	2	0.25	0.75	L5MC1320	LM10A
6	0.5	5	3.5	2	2	0.25	0.75	L6MC500	LM6A
6	0.5	10	7	2	2	0.25	0.75	L6MC1000	LM8A
6	0.5	13.2	9.2	2	2	0.25	0.75	L6MC1320	LM10A
7	0.5	5	3.5	2	2	0.25	0.75	L7MC500	LM6A
7	0.5	10	7	2	2	0.25	0.75	L7MC1000	LM8A
7	0.5	13.2	9.2	2	2	0.25	0.75	L7MC1320	LM10A
8	0.5	5	3.5	2	2	0.25	0.75	L8MC500	LM6A
8	0.5	10	7	2	2	0.25	0.75	L8MC1000	LM8A
8	0.5	13.2	9.2	2	2	0.25	0.75	L8MC1320	LM10A
10	0.5	4.7	3.3	2	2	0.25	0.75	L10MC470	LM6A
10	0.5	8.5	6	2	2	0.25	0.75	L10MC850	LM8A
10	0.5	12	8.4	2	2	0.25	0.75	L10MC1200	LM10A
12	1	4.5	3.2	2	2	0.25	0.75	L12MC450	LM6A
12	1	7.2	5	2	2	0.25	0.75	L12MC720	LM8A
12	1	10	7	2	2	0.25	0.75	L12MC1000	LM10A
13.8	1	4	2.8	2	2	0.25	0.75	L13.8MC400	LM6A
13.8	1	6.3	4.4	2	2	0.25	0.75	L13.8MC630	LM8A
13.8	1	8.7	6	2	2	0.25	0.75	L13.8MC870	LM10A
15	1	3.1	2.2	2	2	0.25	0.75	L15MC310	LM6A
15	1	6.1	4.2	2	2	0.25	0.75	L15MC610	LM8A
15	1	9.4	6.5	2	2	0.25	0.75	L15MC940	LM10A
16	1	2.9	2	2	2	0.25	0.75	L16MC290	LM6A
16	1	5.7	4	2	2	0.25	0.75	L16MC570	LM8A
16	1	8.8	6.2	2	2	0.25	0.75	L16MC880	LM10A
18	1	2.5	1.8	2	2	0.25	0.75	L18MC250	LM6A
18	1	5	3.5	2	2	0.25	0.75	L18MC500	LM8A
18	1	7.5	5.3	2	2	0.25	0.75	L18MC750	LM10A

Nominal Output Voltage	Adjust Range ± V	Output Current Amps. at 40°C	Output Current Amps. at 71°C	Regulation Load ±mv	Regulation Line ±mv	Ripple mV (@ 25 MHz BW) RMS	Ripple mV (@ 25 MHz BW) P-P	Model	Case Size
20	1	2.3	1.6	2	2	0.25	0.75	L20MC230	LM6A
20	1	4.4	3.1	2	2	0.25	0.75	L20MC440	LM8A
20	1	6.6	4.6	2	2	0.25	0.75	L20MC660	LM10A
24	1	2.3	1.6	3	3	0.25	0.75	L24MC230	LM6A
24	1	3.9	2.7	3	3	0.25	0.75	L24MC390	LM8A
24	1	6.1	4.2	3	3	0.25	0.75	L24MC610	LM10A
28	1	2	1.4	3	3	0.25	0.75	L28MC200	LM6A
28	1	3.3	2.3	3	3	0.25	0.75	L28MC330	LM8A
28	1	5.5	3.9	3	3	0.25	0.75	L28MC550	LM10A
30	1	1.9	1.3	3	3	0.25	0.75	L30MC190	LM6A
30	1	3.3	2.3	3	3	0.25	0.75	L30MC330	LM8A
30	1	5.2	3.6	3	3	0.25	0.75	L30MC520	LM10A
36	1	1.4	1	3	3	0.25	0.75	L36MC140	LM6A
36	1	2.5	1.8	3	3	0.25	0.75	L36MC250	LM8A
36	1	4.4	3.1	3	3	0.25	0.75	L36MC440	LM10A
48	1	1.3	0.9	3	3	0.25	0.75	L48MC130	LM6A
48	1	2	1.4	3	3	0.25	0.75	L48MC200	LM8A
48	1	3.3	2.3	3	3	0.25	0.75	L48MC330	LM10A
60	1	1	0.7	3	3	1	3	L60MC100	LM6A
60	1	1.5	1.1	3	3	1	3	L60MC150	LM8A
60	1	2.6	1.8	3	3	1	3	L60MC260	LM10A
75	1	0.7	0.5	5	5	1	3	L75MC70	LM6A
75	1	1.1	0.8	5	5	1	3	L75MC110	LM8A
75	1	2.2	1.5	5	5	1	3	L75MC220	LM10A
100	1	0.6	0.4	5	5	1	3	L100MC60	LM6A
100	1	0.9	0.6	5	5	1	3	L100MC90	LM8A
100	1	1.3	0.9	5	5	1	3	L100MC130	LM10A
120	1	0.6	0.4	5	5	1	3	L120MC60	LM6A
120	1	0.75	0.5	5	5	1	3	L120MC75	LM8A
120	1	1.1	0.8	5	5	1	3	L120MC110	LM10A
125	1	0.5	0.4	5	5	1	3	L125MC50	LM6A
125	1	0.7	0.5	5	5	1	3	L125MC70	LM8A
125	1	1.2	0.8	5	5	1	3	L125MC120	LM10A
150	1	0.35	0.2	5	5	1	3	L150MC35	LM6A
150	1	0.5	0.3	5	5	1	3	L150MC50	LM8A
150	1	1	0.7	5	5	1	3	L150MC100	LM10A

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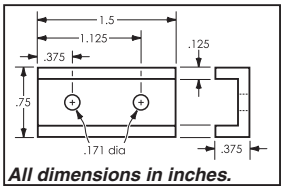
WIDE ADJUST OUTPUT MODELS

Output Voltage Range	Output Current Amps. at 40°C	Output Current Amps. at 71°C	Regulation Load ±mv	Regulation Line ±mv	Ripple mV (@ 25 MHz BW) RMS	Ripple mV (@ 25 MHz BW) P-P	Model	Case Size
0-5	3.3	2.3	2	2	0.25	0.75	YL05MC330	LM6A
0-5	5.5	3.9	2	2	0.25	0.75	YL05MC550	LM8A
0-5	8.8	6.2	2	2	0.25	0.75	YL05MC880	LM10A
0-6	2.7	1.9	2	2	0.25	0.75	YL06MC270	LM6A
0-6	4.5	3.2	2	2	0.25	0.75	YL06MC450	LM8A
0-6	8.8	6.2	2	2	0.25	0.75	YL06MC880	LM10A
0-10	3	2.1	2	2	0.25	0.75	YL010MC300	LM6A
0-10	4	2.8	2	2	0.25	0.75	YL010MC400	LM8A
0-10	7	4.9	2	2	0.25	0.75	YL010MC700	LM10A
0-12	2.5	1.8	2	2	0.25	0.75	YL012MC250	LM6A
0-12	3.5	2.5	2	2	0.25	0.75	YL012MC350	LM8A
0-12	6.8	4.8	2	2	0.25	0.75	YL012MC680	LM10A
0-16	2.2	1.5	2	2	0.25	0.75	YL016MC220	LM6A
0-16	3.3	2.3	2	2	0.25	0.75	YL016MC330	LM8A
0-16	5.5	3.9	2	2	0.25	0.75	YL016MC550	LM10A
0-20	1.7	1.2	2	2	0.25	0.75	YL020MC170	LM6A
0-20	2.6	1.8	2	2	0.25	0.75	YL020MC260	LM8A
0-20	4.2	2.9	2	2	0.25	0.75	YL020MC420	LM10A
0-24	1.5	1.1	3	3	0.25	0.75	YL024MC150	LM6A
0-24	2.3	1.6	3	3	0.25	0.75	YL024MC230	LM8A
0-24	3.5	2.5	3	3	0.25	0.75	YL024MC350	LM10A
0-25	1.4	1	3	3	0.25	0.75	YL025MC140	LM6A
0-25	2.2	1.5	3	3	0.25	0.75	YL025MC220	LM8A
0-25	3.4	2.4	3	3	0.25	0.75	YL025MC340	LM10A
0-30	1.1	0.8	3	3	0.25	0.75	YL030MC110	LM6A
0-30	1.8	1.2	3	3	0.25	0.75	YL030MC180	LM8A
0-30	2.8	1.9	3	3	0.25	0.75	YL030MC280	LM10A
0-36	1	0.7	3	3	0.25	0.75	YL036MC100	LM6A
0-36	1.5	1.1	3	3	0.25	0.75	YL036MC150	LM8A
0-36	2.4	1.7	3	3	0.25	0.75	YL036MC240	LM10A
0-50	0.7	0.5	3	3	0.25	0.75	YL050MC70	LM6A
0-50	0.9	0.7	3	3	0.25	0.75	YL050MC90	LM8A
0-50	1.3	0.9	3	3	0.25	0.75	YL050MC130	LM10A
0-60	0.6	0.4	3	3	1	3	YL060MC60	LM6A
0-60	0.8	0.6	3	3	1	3	YL060MC80	LM8A
0-60	1.1	0.8	3	3	1	3	YL060MC110	LM10A
0-100	0.3	0.21	5	5	1	3	YL0100MC30	LM6A
0-100	0.5	0.35	5	5	1	3	YL0100MC50	LM8A
0-100	0.7	0.49	5	5	1	3	YL0100MC70	LM10A
0-150	0.15	0.11	5	5	1	3	YL0150MC15	LM6A
0-150	0.3	0.21	5	5	1	3	YL0150MC30	LM8A
0-150	0.4	0.28	5	5	1	3	YL0150MC40	LM10A

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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.



All dimensions in inches.

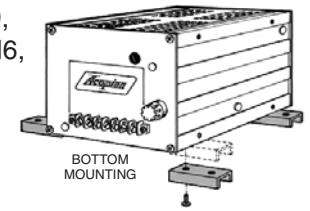
For 'Gold Box' and (modular) 'High Voltage' power supplies:

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 horizontally 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:

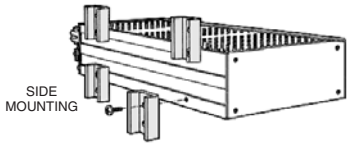
AMC, CN8T, DN6B, DN6A, DN8A, DN8, F6T, F8T, N8T, WL7, WL9, WN6A, WN6B, WN8, WN8A, WN8B, TN6T

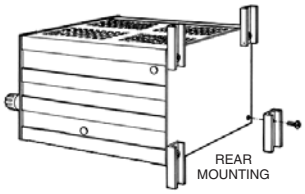
NP6L Mounting Kit *(#6-32 mounting holes)*

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

CH35DIN Mounting Kit (Horizontal mounting)

Can be used on these case sizes: RM6, RW6

GH35DIN Mounting Kit (Horizontal mounting)

Can be used on these case sizes:

CM6	DG5	G3	GT5	M6	TG5	Y3
CM9	DG6	G5	GT6	M9	TG6	Y5
CM13	DG9	G5D	GT9	M13	TG9	Y6
		G6	GT13		TG13	
		G9				
		G13				

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	GT9				TG9	Y6
		G6						
		G9						

(GR35DIN can be used, but is not recommended on case sizes: G13, GT13, M13, TG13)

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:

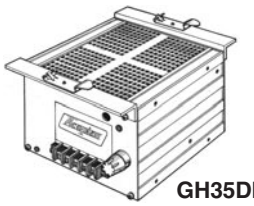
CN8H	DN6A	F6T	N8H	TN6T	WN6A
CN8T	DN6B	F8T	N8T	TN8H	WN6B
	DN8				WN8
	DN8A				WN8A
					WN8B

WH35DIN Mounting Kit (Horizontal mounting)

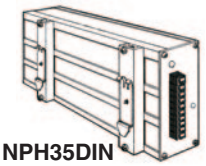
Can be used on these case sizes: WM6, WM9

WL35DIN Mounting Kit (Vertical mounting)
WLH35DIN Mounting Kit (Horizontal mounting)

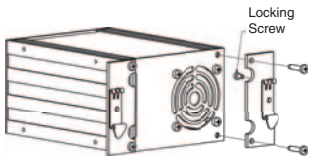
Can be used on these case sizes: WL7, WL9


GH35DIN

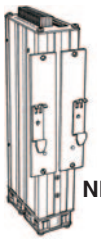

LH35DIN


NPH35DIN

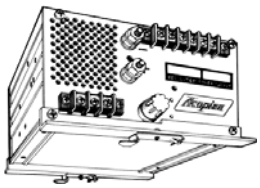

GR35DIN



LR35DIN


NPV35DIN


WLH35DIN


WH35DIN


NPR35DIN

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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.

CANCELLATION: Suspension or cancellation of orders may be made only upon our written approval and on terms that will indemnify us against all loss.

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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