



Narrow Profile

LINEAR REGULATED AC-DC single output Series A & B

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



Don't forget these facts about Acopian....

- Fast Shipping? Acopian invented it! For over half a century, Acopian has built and shipped millions of power supplies within 3-DAYS after receipt of order. And we still do today! View our 3-DAY Shipping Promise: www.acopian.com/3dayship.html
- You ALWAYS talk to a real person when you call Acopian.
- Acopian power supplies last a *very long time!*
- You can email 3day@acopian.com anytime for 24/7 product support.
- The *Online System Builder* (www.acopian.com/SystemBuilder) is a convenient way to get your own custom power supply or power system (and most ship within 9 Days).
- You can order Acopian power supplies factory direct.
- ALL Acopian products are made in the USA.



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 Order Factory Direct
 Made in USA



Narrow Profile SINGLE OUTPUT

LINEAR REGULATED
AC-DC

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- All Models U.L. Recognized
- Five Year Warranty



Where only a narrow mounting space is available, Acopian Narrow Profile power supplies fit where many others cannot. Choose from Series A (High Performance) and Series B (General Purpose) models with output ratings up to 150 volts, up to 3.5 amps.



SPECIFICATIONS

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

Output Specifications: See table.

Series A: Model numbers begin with the letter A.

Series B: Model numbers begin with the letter B.

Remote Voltage Adjustment/Sensing: Standard in Series A, not available in Series B.

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

Temperature Coefficient:

Series A: 0.015%/°C (Typical).

Series B: 0.02%/°C (Typical).

Ambient Operating Temperature:

Series A: -20 to +71°C.

Series B: 0 to +71°C.

Storage Temperature: -55 to +85°C.

Overload/Short Circuit Protection:

Series A: Foldback current limiting with automatic recovery.

Series B: Input fuse and output current limiting.

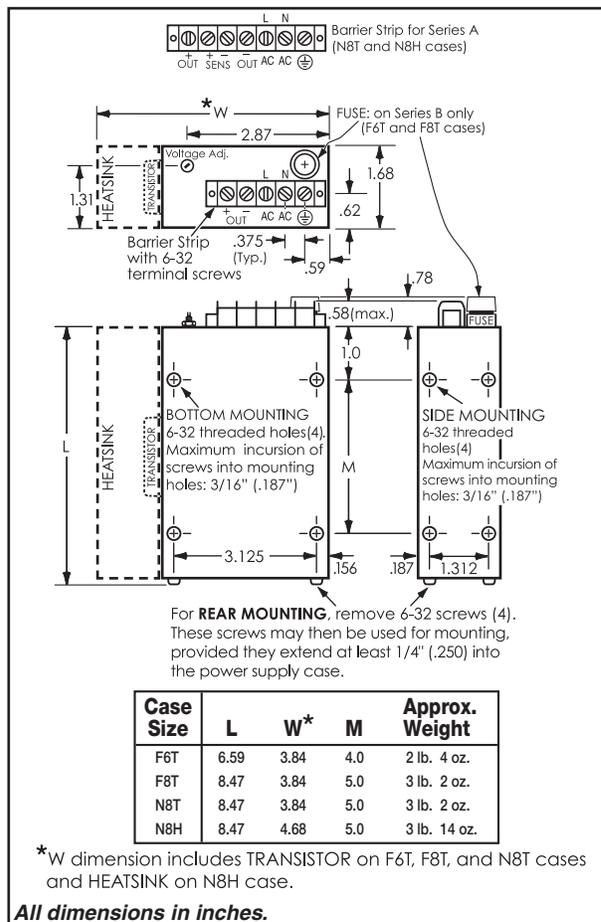
Mounting: Threaded mounting holes permit mounting to a chassis, cabinet wall or bracket, or they may be used on a test bench or tabletop. To mount from the power supply side of the mounting surface or for DIN rail mounting, see accessory Mounting Kits on page H3.

OPTIONS

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.



NARROW PROFILE SINGLE OUTPUT

Nominal Output Voltage	Ad-just ±V	Output Current Amps. at			Regulation		Ripple mV RMS	Model	Case Size
		40°C	55°C	71°C	Load ± %*	Line ± %*			
1	.5	2.2	2.1	2.0	.005	.005	.250	A1NT220	N8T
1	.5	3.5	3.5	3.0	.005	.005	.250	A1NT350	N8H
1.5	.5	2.2	2.1	2.0	.005	.005	.250	A1.5NT220	N8T
1.5	.5	3.5	3.5	3.0	.005	.005	.250	A1.5NT350	N8H
2	.5	2.2	2.1	2.0	.005	.005	.250	A2NT220	N8T
2	.5	3.0	3.0	3.0	.005	.005	.250	A2NT300	N8H
3	.5	1.0	1.0	1.0	.5	.1	1	B3TN100	F6T
3	.5	2.2	2.1	2.0	.005	.005	.250	A3NT220	N8T
3	.5	3.5	3.5	3.0	.005	.005	.250	A3NT350	N8H
3.3	.5	1.0	1.0	1.0	.5	.1	1	B3.3TN100	F6T
3.3	.5	2.2	2.1	2.0	.005	.005	.250	A3.3NT220	N8T
3.3	.5	3.5	3.5	3.0	.005	.005	.250	A3.3NT350	N8H
5	.5	1.0	1.0	1.0	.1	.1	1	B5TN100	F6T
5	.5	1.1	1.0	1.0	.005	.005	.250	A5TN110	N8T
5	.5	2.2	2.1	2.0	.005	.005	.250	A5NT220	N8T
5	.5	3.5	3.5	3.0	.005	.005	.250	A5NT350	N8H
6	.5	1.0	1.0	1.0	.1	.1	1	B6TN100	F6T
6	.5	2.2	2.1	2.0	.005	.005	.250	A6NT220	N8T
6	.5	2.7	2.7	2.7	.005	.005	.250	A6NT270	N8H
7	1	1.0	1.0	1.0	.1	.1	1	B7TN100	F6T
7	.5	1.1	1.0	1.0	.005	.005	.250	A7TN110	N8T
7	.5	2.0	2.0	2.0	.005	.005	.250	A7NT200	N8H
8	1	1.0	1.0	1.0	.1	.1	1	B8TN100	F6T
8	.5	1.1	1.0	1.0	.005	.005	.250	A8TN110	N8T
8	.5	2.0	2.0	2.0	.005	.005	.250	A8NT200	N8H
9	1	1.0	1.0	1.0	.1	.1	1	B9TN100	F6T
9	.5	1.1	1.0	1.0	.005	.005	.250	A9TN110	N8T
9	.5	2.0	2.0	2.0	.005	.005	.250	A9NT200	N8H
10	1	1.0	1.0	1.0	.1	.1	1	B10TN100	F6T
10	.5	1.1	1.0	1.0	.005	.005	.250	A10TN110	N8T
10	.5	2.0	2.0	2.0	.005	.005	.250	A10NT200	N8H
11	1	1.0	1.0	.750	.1	.1	1	B11TN100	F6T
11	.5	1.1	1.0	1.0	.005	.005	.250	A11TN110	N8T
11	.5	2.0	2.0	2.0	.005	.005	.250	A11NT200	N8H
12	1	1.0	1.0	.750	.1	.1	1	B12TN100	F6T
12	.5	1.1	1.0	1.0	.005	.005	.250	A12TN110	N8T
12	.5	2.0	2.0	2.0	.005	.005	.250	A12NT200	N8H
13	1	1.0	1.0	.750	.1	.1	1	B13TN100	F6T
13	.5	1.1	1.0	1.0	.005	.005	.250	A13TN110	N8T
13	.5	2.0	2.0	2.0	.005	.005	.250	A13NT200	N8H
14	1	1.0	1.0	.750	.1	.1	1	B14TN100	F6T
14	.5	1.1	1.0	1.0	.005	.005	.250	A14TN110	N8T
14	.5	2.0	2.0	2.0	.005	.005	.250	A14NT200	N8H
15	1	1.0	1.0	.750	.1	.1	1	B15TN100	F6T
15	.5	1.1	1.0	1.0	.005	.005	.250	A15TN110	N8T
15	.5	2.0	2.0	2.0	.005	.005	.250	A15NT200	N8H
16	1	1.0	1.0	.750	.1	.1	1	B16TN100	F6T
16	.5	1.0	1.0	1.0	.005	.005	.250	A16TN100	N8T
16	.5	1.75	1.75	1.75	.005	.005	.250	A16NT175	N8H
18	1	.750	.750	.750	.1	.1	1	B18TN75	F6T
18	.5	1.0	1.0	1.0	.005	.005	.250	A18TN100	N8T
18	.5	1.5	1.5	1.5	.005	.005	.250	A18NT150	N8H
20	1	.500	.500	.500	.1	.1	1	B20TN50	F6T
20	.5	.900	.900	.900	.005	.005	.250	A20TN90	N8T
20	.5	1.25	1.25	1.25	.005	.005	.250	A20NT125	N8H
24	1	.750	.750	.750	.1	.1	1	B24TN75	F6T
24	.5	1.0	1.0	1.0	.005	.005	.250	A24TN100	N8T
24	.5	1.25	1.25	1.25	.005	.005	.250	A24NT125	N8H
25	1	.750	.750	.750	.1	.05	1	B25TN75	F6T
25	.5	.750	.750	.750	.005	.005	.250	A25TN75	N8T
25	.5	1.25	1.25	1.25	.005	.005	.250	A25NT125	N8H

*or 2 mv, whichever is greater

Nominal Output Voltage	Ad-just ±V	Output Current Amps. at			Regulation		Ripple mV RMS	Model	Case Size
		40°C	55°C	71°C	Load ± %	Line ± %			
26	1	.750	.750	.750	.1	.05	1	B26TN75	F6T
26	.5	1.25	1.25	1.25	.005	.005	.250	A26NT125	N8H
28	1	.700	.700	.700	.1	.05	1	B28TN70	F6T
28	.5	.800	.800	.800	.005	.005	.250	A28NT80	N8T
28	.5	1.25	1.25	1.25	.005	.005	.250	A28NT125	N8H
30	1	.500	.500	.500	.05	.05	1	B30TN50	F6T
30	.5	.750	.750	.750	.005	.005	.250	A30NT75	N8T
30	.5	1.1	1.1	1.1	.005	.005	.250	A30NT110	N8H
32	1	.400	.400	.400	.05	.05	1	B32TN40	F6T
32	.5	.600	.600	.600	.005	.005	.250	A32TN60	N8T
34	1	.400	.400	.400	.05	.05	1	B34TN40	F6T
34	.5	1.1	1.1	1.1	.005	.005	.250	A34NT110	N8H
35	1	.400	.400	.400	.05	.05	1	B35TN40	F6T
35	.5	.600	.600	.600	.005	.005	.250	A35TN60	N8T
35	.5	1.1	1.1	1.1	.005	.005	.250	A35NT110	N8H
36	1	.400	.400	.400	.05	.05	1	B36TN40	F6T
36	.5	.600	.600	.600	.005	.005	.250	A36TN60	N8T
36	.5	1.0	1.0	1.0	.005	.005	.250	A36NT100	N8H
38	1	.200	.200	.200	.05	.05	1	B38TN20	F6T
40	1	.400	.400	.400	.05	.05	1	B40TN40	F6T
40	.5	.750	.750	.750	.005	.005	.250	A40NT75	N8T
45	1	.400	.400	.400	.05	.05	1	B45TN40	F6T
45	.5	.600	.600	.600	.005	.005	.250	A45NT60	N8T
48	1	.400	.400	.400	.05	.05	1	B48TN40	F6T
48	.5	.500	.500	.500	.005	.005	.250	A48NT50	N8T
50	1	.400	.400	.400	.05	.05	1	B50FT40	F6T
50	1	.450	.450	.450	.005	.005	.250	A50NT45	N8T
55	1	.200	.200	.200	.05	.05	1	B55FT20	F6T
55	1	.400	.400	.400	.005	.005	.250	A55NT40	N8T
60	1	.150	.150	.150	.05	.05	1	B60FT15	F6T
60	1	.350	.350	.350	.005	.005	.250	A60NT35	N8T
65	1	.100	.100	.100	.05	.05	1	B65FT10	F6T
65	1	.250	.250	.250	.05	.05	1	B65FT25	F8T
65	1	.270	.270	.270	.005	.005	.250	A65NT27	N8T
67	1	.100	.100	.100	.05	.05	1	B67FT10	F6T
70	1	.100	.100	.100	.05	.05	1	B70FT10	F6T
70	1	.250	.250	.250	.005	.005	.250	A70NT25	N8T
75	1	.200	.200	.200	.05	.05	1	B75FT20	F8T
75	1	.250	.250	.250	.005	.005	.250	A75NT25	N8T
80	1	.100	.100	.100	.05	.05	1	B80FT10	F6T
80	1	.200	.200	.200	.05	.05	1	B80FT20	F8T
80	1	.250	.250	.250	.005	.005	.250	A80NT25	N8T
85	1	.250	.250	.250	.005	.005	.250	A85NT25	N8T
90	1	.100	.100	.100	.05	.05	1	B90FT10	F6T
90	1	.200	.200	.200	.05	.05	1	B90FT20	F8T
90	1	.250	.250	.250	.005	.005	.250	A90NT25	N8T
95	1	.200	.200	.200	.05	.05	1	B95FT20	F8T
95	1	.200	.200	.200	.005	.005	.250	A95NT20	N8T
100	1	.100	.100	.100	.05	.05	1	B100FT10	F6T
100	1	.200	.200	.200	.05	.05	1	B100FT20	F8T
100	1	.200	.200	.200	.005	.005	.250	A100NT20	N8T
110	1	.100	.100	.100	.05	.05	1	B110FT10	F6T
115	1	.100	.100	.100	.05	.05	1	B115FT10	F6T
120	1	.050	.050	.050	.05	.05	1	B120FT05	F6T
120	1	.200	.200	.200	.05	.05	1	B120FT20	F8T
120	1	.200	.200	.200	.005	.005	.250	A120NT20	N8T
125	1	.050	.050	.050	.05	.05	1	B125FT05	F6T
125	1	.200	.200	.200	.05	.05	1	B125FT20	F8T
125	1	.200	.200	.200	.005	.005	.250	A125NT20	N8T
150	1	.100	.100	.100	.05	.05	1	B150FT10	F8T
150	1	.100	.100	.100	.005	.005	.250	A150NT10	N8T

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.

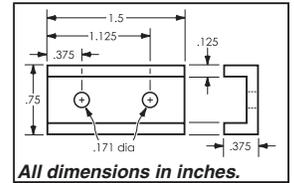
For 'Gold Box' and (modular) 'High Voltage' power supplies:

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 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:

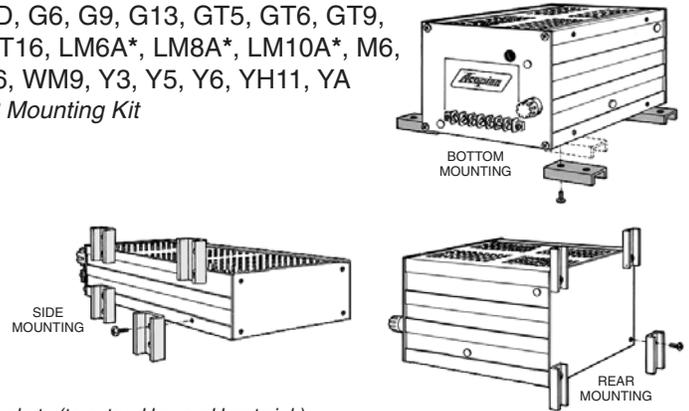
AMC, CN8T, DN6B, DN6A, DN8A, DN8, F6T, F8T, N8T, WL7, WL9, WN6A, WN6B, WN8, WN8A, WN8B, TN6T

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

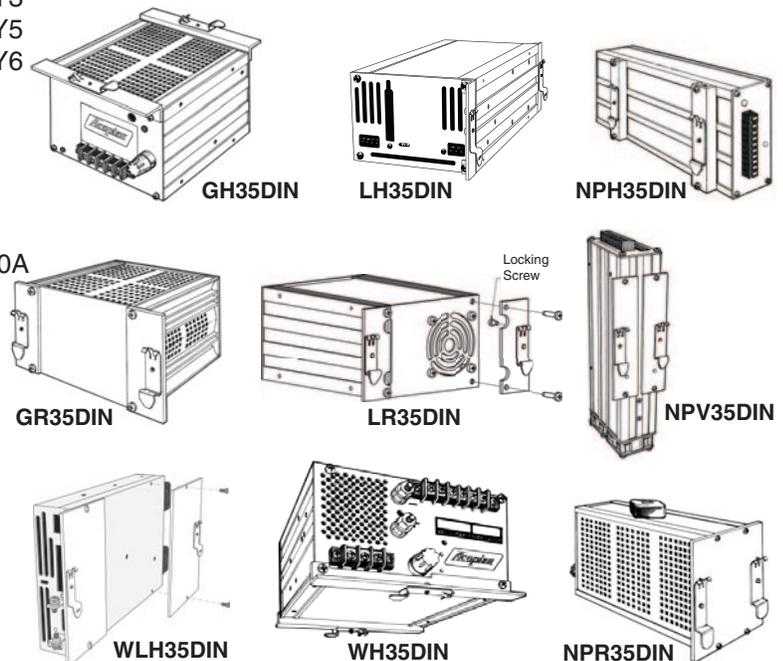
WH35DIN Mounting Kit (Horizontal mounting)

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



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, procurement, 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.*

ACOPIAN IS AN ISO 9001 CERTIFIED COMPANY