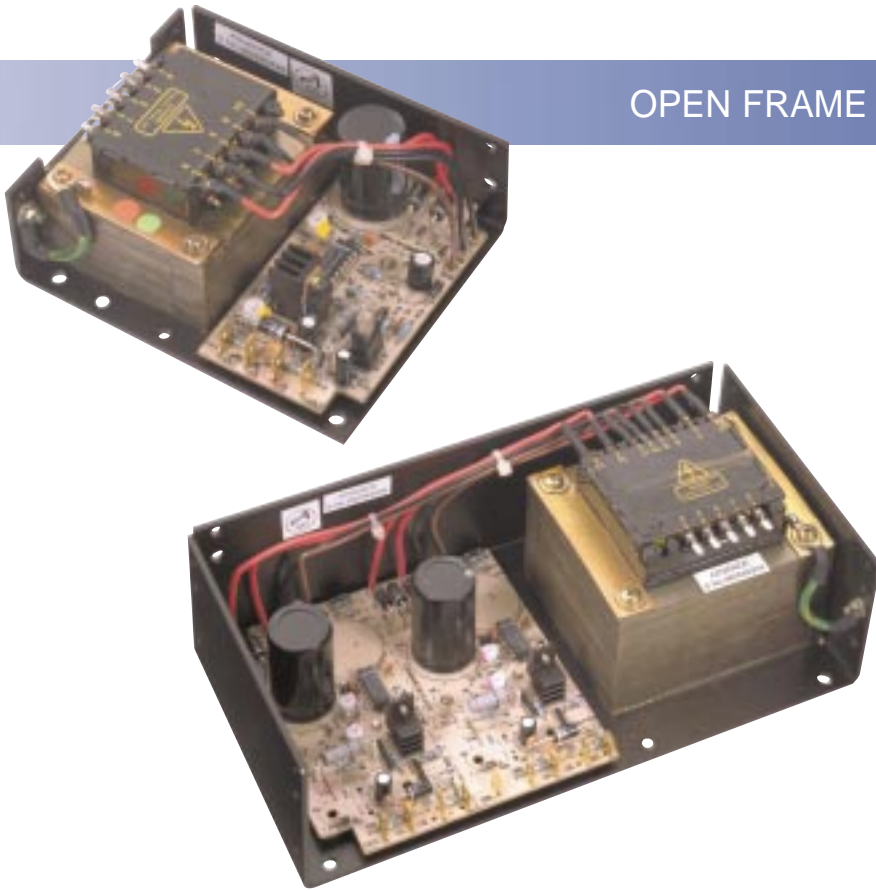


OPEN FRAME LINEAR POWER SUPPLIES

**Output**

- 1 to 10.2 Amps
- 5, 12, 24 Volts

Features

- 100V - 240V AC input
Tap selectable
- Remote sense
- International standard size and fixings
- Full power rating at 50°C
- Electronic overcurrent protection
- Overvoltage protection on 5V units
- Optional mesh cover
- FAST-ON output connections

The A Series is a high quality line of open frame linear power supplies. Designed to an industry standard frame size, these power supplies offer superior quality of construction and performance. They are particularly well suited for applications where the absence of high frequency switching noise is required.

Specifications**AC Input**

100V, 120V, 220V and 240V AC
+10%, -13%, 47Hz – 63Hz

Input Fuse

See table

DC Output

See table. Adjustment range
±5% minimum

Line Regulation

±0.05% for a 10% change

Load Regulation

±0.05% for a 50% load change

Output Ripple

3mV p-p ±0.05% maximum

Transient Response

<50ms for 50% load change

Short Circuit Protection

Foldback current limit
with automatic recovery

Overvoltage Protection

Built on 5V models only
Set at 6.2V ± 0.4V

Remote Sense

Provided on all models
Open sense lead protection built-in

Stability

±0.05% for 24 hours after warm up

Temperature Rating

0 to 50°C full rated
Derate linearly to 40% at 70°C

Approvals

UL approved
CE marked (EN60950) to the European
Low Voltage Directive (LVD) 73/23/EEC
amended by 93/68/EEC relating to the
safety of electrical equipment

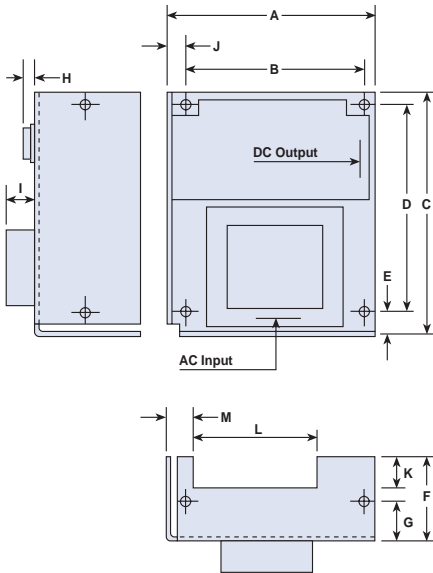
advance
POWER

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A SERIES

OPEN FRAME LINEAR POWER SUPPLIES

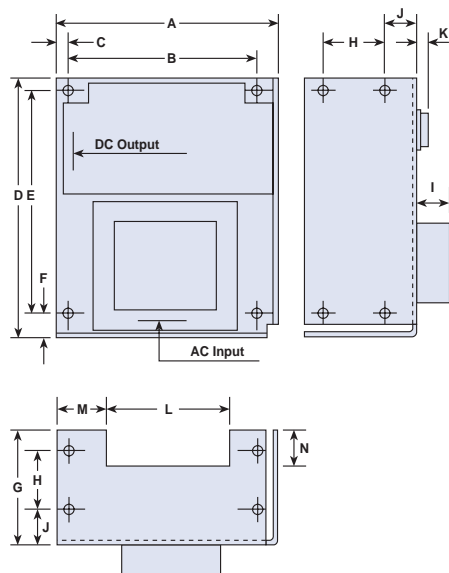
Case 'A' Outline Drawing



4.8mm dia. Mounting Hole

Dimensions	inches	mm
A	4.00	101.6
B	3.375	85.73
C	4.87	123.7
D	4.125	104.78
E	0.50	12.7
F	1.62	41.15
G	0.75	19.05
H	0.342	8.7
I	0.519	13.2
J	0.379	9.65
K	0.287	7.3
L	2.44	62
M	0.862	21.9

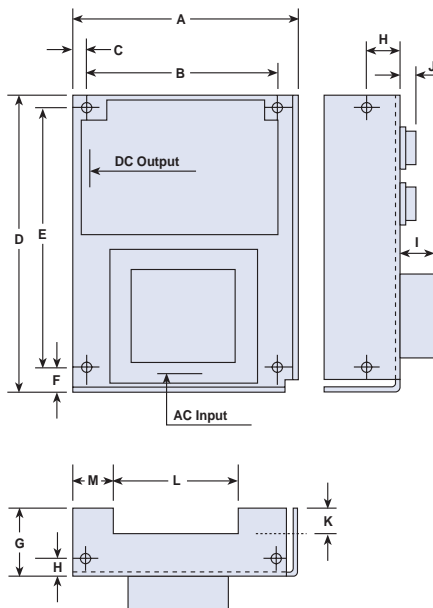
Case 'B' Outline Drawing



4.8mm dia. Mounting Hole

Dimensions	inches	mm
A	4.881	124
B	4.133	105
C	0.25	6.35
D	5.63	143
E	4.881	124
F	0.5	12.7
G	2.50	63.5
H	1.25	31.75
I	0.629	16
J	0.767	19.5
K	0.342	8.7
L	2.559	65
M	1.003	25.5
N	0.393	10

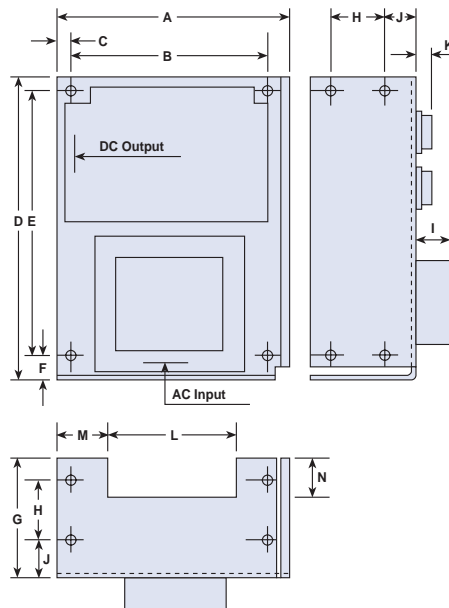
Case 'AA' Outline Drawing



4.8mm dia. Mounting Hole

Dimensions	inches	mm
A	4.00	101.6
B	3.385	86
C	0.25	6.35
D	6.49	165
E	5.748	146
F	0.50	13
G	1.614	41
H	0.728	18.5
I	0.629	16
J	0.342	8.7
K	0.334	8.5
L	2.44	62
M	0.755	19.2

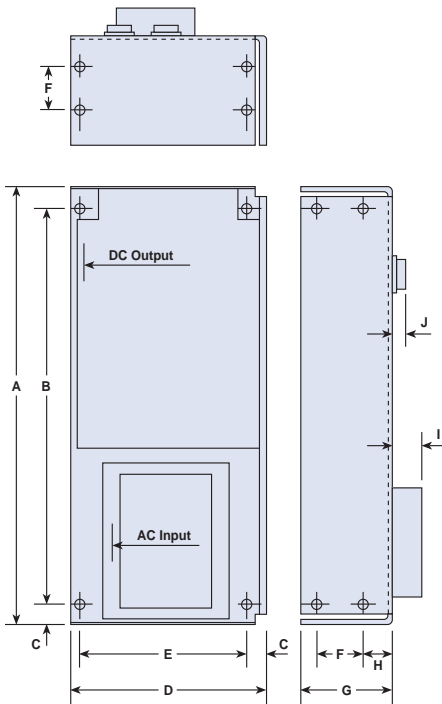
Case 'BB' Outline Drawing



4.8mm dia. Mounting Hole

Dimensions	inches	mm
A	4.881	124
B	4.133	105
C	0.25	6.35
D	7.00	178
E	6.25	159
F	0.50	13
G	2.50	63.5
H	1.25	31.75
I	0.629	16
J	0.767	19.5
K	0.342	8.7
L	2.618	66.5
M	1.023	26
N	0.393	10

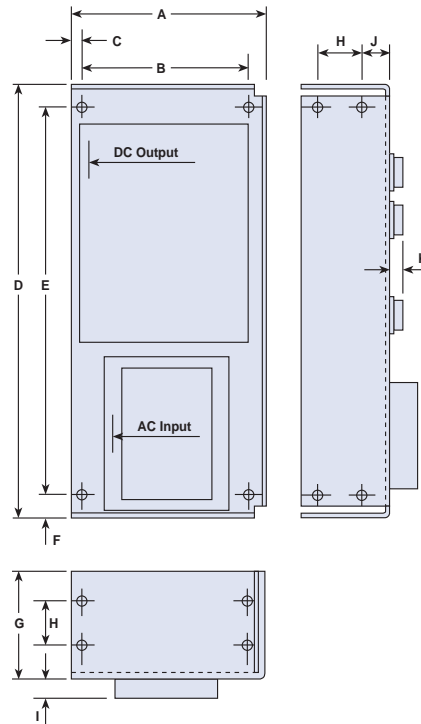
Case 'D' Outline Drawing



4.8mm dia. Mounting Hole

Dimensions	inches	mm
A	9.00	228.6
B	8.00	203.2
C	0.50	12.7
D	4.87	123.7
E	4.125	104.78
F	1.25	31.75
G	2.75	69.85
H	0.75	19.05
I	0.629	16
J	0.342	8.7

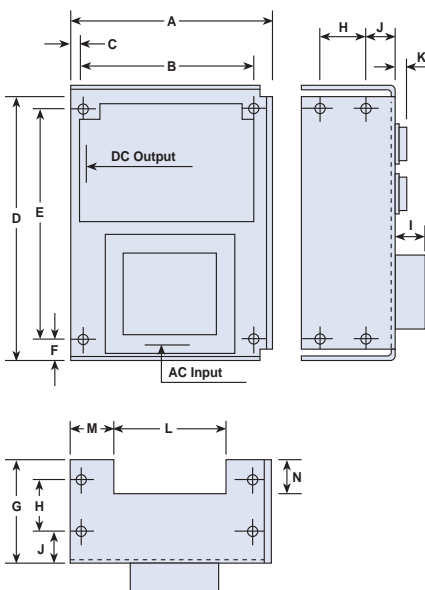
Case 'E' Outline Drawing



4.8mm dia. Mounting Hole

Dimensions	inches	mm
A	4.881	124
B	4.133	105
C	0.25	6.35
D	13.956	354.5
E	12.992	330
F	0.511	13
G	2.755	70
H	1.259	32
I	0.531	13.5
J	0.748	19
K	0.342	8.7

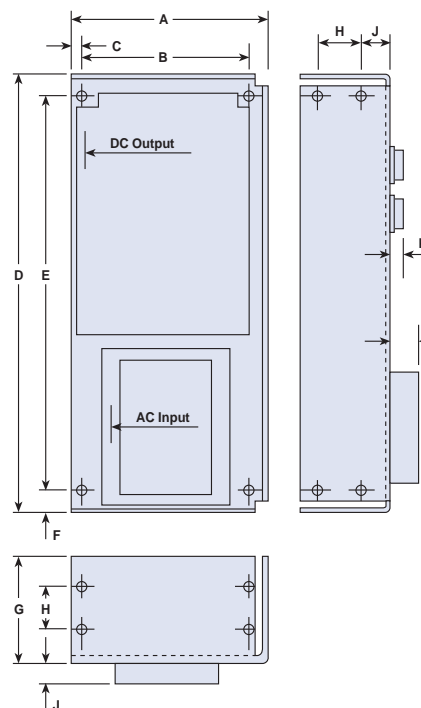
Case 'N' Outline Drawing



4.8mm dia. Mounting Hole

Dimensions	inches	mm
A	4.881	124
B	4.133	105
C	0.25	6.35
D	7.00	178
E	6.25	159
F	0.337	9.6
G	2.755	70
H	1.25	31.75
I	0.629	16
J	0.767	19.5
K	0.342	8.7
L	2.618	66.5
M	1.003	25.5
N	0.393	10

Case 'CC' Outline Drawing



4.8mm dia. Mounting Hole

Dimensions	inches	mm
A	4.881	124
B	4.133	105
C	0.25	6.35
D	9.37	238
E	8.346	212
F	0.5	12.7
G	2.75	69.85
H	1.25	31.75
I	0.629	16
J	0.767	19.5
K	0.342	8.7

A SERIES

OPEN FRAME LINEAR POWER SUPPLIES

Model	Volts	Amps	Case Style	Farnell Part	External Fuse		Weight kg
					100V, 120V	220V, 240V	
AA05030	5	3	A	183-787	1.0A	0.5A	1.4
AB05060	5	6	B	183-799	1.5A	0.75A	2.9
AN05090	5	9	N	183-805	2.0A	1.0A	3.6
AA12018	12	1.8	A	183-817	1.0A	0.5A	1.4
AB12034	12	3.4	B	183-829	1.5A	0.75A	2.9
AD12068	12	6.8	D	183-830	2.5A	1.5A	3.6
AE12102	12	10.2	E	183-842	3.0A	1.5A	4.9
AA24012	24	1.2	A	183-854	1.0A	0.5A	1.4
AB24024	24	2.4	B	183-866	1.5A	0.75A	2.9
AD24048	24	4.8	D	183-878	2.5A	1.5A	3.6
AAA12010	±12	1	AA	183-880	1.0A	0.5A	1.4
ABB12018	±12	1.8	BB	183-891	1.5A	0.75A	2.9
ACC12034	±12	3.4	CC	183-908	2.5A	1.5A	3.6
Covers							
AACOV				183-910			
ABCOV				183-921			
ANCOV				183-933			
ADCOV				183-945			
AECOV				183-957			
AAACOV				183-969			
ABBCOV				183-970			
ACCCOV				183-982			

Warranty

Advance Power's A series linear power products are under warranty against faulty manufacture and faulty components for a period of one year from the date of delivery. Please refer to conditions of sale for full details.

We reserve the right to amend specifications without prior notification.

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