



STONTRONICS

THE POWER TO SUPPLY

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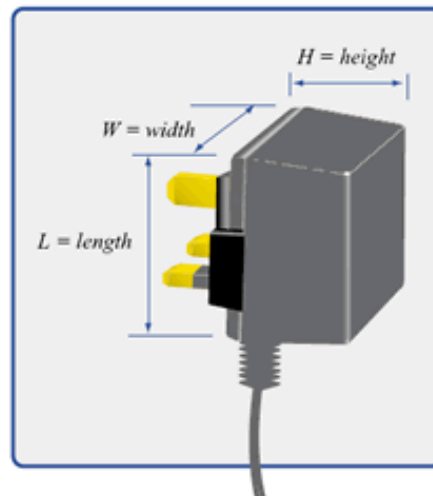
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External Linear Power Supplies - Mains Adaptors

- Low cost, high reliability
- Manufactured in UK and China
- Large range of standard models in stock
- Standard and custom designed models
- Plug-top, desk-top and wall mounting models
- Models to meet UK, European and North American Standards
- Models to meet other countries' standards
- Full compliance with safety and EMC requirements
- AC/AC and AC/DC (regulated and unregulated) models
- All standard models in black plastic cases; white and other colours to customer order



Note: The adaptor dimensions given here do not include the plug pins and mounting plate of the plug-top model shown

Standard AC/DC regulated models

| Part No. | Output voltage nom (Vdc) | Output current (mA) | Case type |
|-----------|--------------------------|---------------------|-----------|
| AD-0510R | 5 | 100 | A |
| AD-0530R | 5 | 300 | B |
| AD-0550R | 5 | 500 | C |
| AD-5100R | 5 | 1000 | C |
| AD-5150R | 5 | 1500 | F |
| AD-0630R | 6 | 300 | B |
| AD-0680R | 6 | 800 | C |
| AD-0930R | 9 | 300 | B |
| AD-0950R | 9 | 500 | C |
| AD-1210R | 12 | 100 | B |
| AD-1230R | 12 | 300 | B |
| AD-1250R | 12 | 500 | C |
| AD-12100R | 12 | 1000 | F |
| AD-1510R | 15 | 100 | B |
| AD-1550R | 15 | 500 | C |
| AD-1840R | 18 | 400 | C |
| AD-2410R | 24 | 100 | B |
| AD-2440R | 24 | 400 | C |

Regulation on all models $\pm 5\%$ of Nominal

Customised Linear Adaptors

We are able to supply most types of adaptors to meet our customer's special requirements. Samples can normally be supplied within 5 working days from our UK facility where we are capable of manufacturing small and medium volume production quantities. When a unit is required in high volume or costs need to be reduced, we can transfer production to our far-eastern facilities.

Basic specification for all models

- Output lead is 1.8 metres long, with a multi-choice pack of 6 connectors as standard; dedicated connector at customer choice and reduced price
- UK and Euro units comply with EN60950 and CE requirements
- UL and CSA approval on North American units
- Units to other country-specific and medical approvals available to customer order
- One-shot thermal fuses fitted as standard. Resettable fuses, poly switches or PTCs available to customer order
- BAPT approval on any model to customer order

Our range of linear adapters can be designed to offer any output voltage from 1 Vac to 110 Vac or from 1 Vdc to 55 Vdc. Power ratings from 1VA up to 150VA and 1 Watt up to 100 Watts.

We often design these units to meet system start-up, load surge requirements, which can be as high as 50% above rated power.

Each of the 6 output connectors can plug into the connector marked TIP that terminates the lead from the adaptor. They can plug in either of two ways, so that TIP points to the + (shown here) or to the - on the other side of the output connector, giving + or - at the tip of the connector.

Table 1

| Case Type | Case Type | Length L | Width W | Height H | Weight gm | Typical AC/AC | regulation (%) AC/DC unreg |
|-----------|-----------|-------------|------------|-------------|--------------|------------------|-------------------------------|
| A | 35 | 62 | 51 | 42 | 200 | 22 | 33 |
| B | 41 | 78 | 52 | 45 | 295 | 15 | 30 |
| C | 48 | 99 | 61 | 48 | 480 | 10 | 35 |
| D | 57 | 100 | 70 | 58 | 750 | 10 | 35 |
| E | 66S | 110 | 93 | 67 | 1100 | 8 | 25 |
| F | 66L | 130 | 93 | 67 | 1230 | 8 | 20 |
| G | 84 | 150 | 110 | 93 | 1600 | 8 | 18 |

all dimensions are in millimetres (mm)

For regulation figures of all these models see table 1 opposite.



Output Connectors



all dimensions are in millimetres (mm)

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Please Note: Stontronics carry out a programme of continuous product development and reserve the right to change product specifications without notice. If you are in doubt about a particular product or products, please contact us to check the latest position.

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