

## D.C. LINEAR REGULATION POWER SUPPLIES - FIXED OUTPUT SERIE

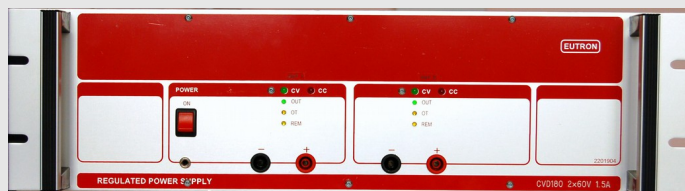
Wide range of dc linear regulation power supplies, realized with professional components and tested with severe procedures. Large use in OEM applications, automation, testing, burn-in, etc.

### FEATURES

- Mains connection 230 Vac +/- 10%, 50-60 Hz (others on request).
- Independent and insulated outputs power supplies.
- Remote sense, stand-by and Out ON-OFF on rear connectors.
- CV green led (Constant Voltage), lit means that power supply is operating as constant voltage generator.
- CC red led (Constant Current), lit means that power supply is operating as constant current generator.
- OUT green led (stand-by ON – OFF), lit means that power supply output is on.
- OT yellow led (Over Temperature), lit means that overtemperature protection thermostates have been triggered (not in BR60 and BR140 models).
- Enable / Disable output power supplies with remote contact on rear panel connector.
- Remote sense for compensation of the power cable voltage fall (max. 1V), only in ≤ 100 Volt models.
- Front Voltage trimmer for +/-10% adjusting.

### TECHNICAL SPECIFICATIONS

|                                   |  |
|-----------------------------------|--|
| <b>LINE REGULATION:</b>           | ~ 0,001% for ±10% line change.                 |
| <b>LOAD REGULATION:</b>           | ~ 0,01% for 100% load change.                  |
| <b>RIPPLE CV MODE:</b>            | ~ 0,001% Vrms of range value.                  |
| <b>RIPPLE CC MODE:</b>            | ~ 0,005% Arms of range value.                  |
| <b>TRANSIENTS RESPONSE TIME:</b>  | ~ 50 uS within 1% Vout, for 20-80%load change. |
| <b>SLEW RATE:</b>                 | ~ 2-8 mS.                                      |
| <b>THERMAL STABILITY CV MODE:</b> | ± 50 ppm for 8h after 30' warm-up.             |
| <b>THERMAL STABILITY CC MODE:</b> | ± 100 ppm for 8h after 30' warm-up.            |
| <b>TEMPERATURE COEFFICIENT:</b>   | ± 0,01% / °C.                                  |
| <b>OPERATING TEMPER. RANGE:</b>   | 0 - 40 °C.                                     |
| <b>LINE PROTECTION:</b>           | With fuse and input filter.                    |
| <b>OVERLOAD PROTECTION:</b>       | Programmed current limitation.                 |
| <b>THERMAL PROTECTION:</b>        | Electronic thermostat.                         |
| <b>COOLING:</b>                   | Thermoregulated fan cooling ventilation.       |
| <b>OUTPUT:</b>                    | Floating and insulated 500 Vdc.                |



Different voltage and current models on request.

Power supply identifier is composed with serie's name and Volt-Ampere.  
Ex.: BRD180 2x15V7.5A .

### Standard models

| SERIE                | V O L T - A M P E R E |         |         |          |        |           |            | CHASSIS                                 | DIM. mm     | Kg  |
|----------------------|-----------------------|---------|---------|----------|--------|-----------|------------|---|-------------|-----|
| <b>Single output</b> |                       |         |         |          |        |           |            |   |             |     |
| BR60                 | 5V 8A                 | 12V 4A  | 15V 4A  | 24V 2.5A | 48V 1A | 110V 0.5A | 220V 0.25A | Bench case<br>(accessory for rack case) | 177x132x260 | 7   |
| BR140                | 5V 15A                | 12V 8A  | 15V 7A  | 24V 4.5A | 48V 2A | 110V 1A   | 220V 0.5A  |   | 265x132x300 | 8,5 |
| BR170                | 5V 30A                | 12V 16A | 15V 15A | 24V 9A   | 48V 4A | 110V 2A   | 220V 1A    |   | 266x132x360 | 10  |
| BR340                | 5V 40A                | 12V 24A | 15V 20A | 24V 14A  | 48V 7A | 110V 3A   | 220V 1.5A  |   | 411x132x360 | 15  |

| SERIE                 | VOLT - AMPERE |           |            |            |            |             | CHASSIS                                 | DIM. mm     | Kg  |
|-----------------------|---------------|-----------|------------|------------|------------|-------------|---|-------------|-----|
| <b>Double outputs</b> |               |           |            |            |            |             |   |             |     |
| BRD140                | 2x5V 7A       | 2x12V 4A  | 2x15V 3.5A | 2x24V 1.5A | 2x48V 0.8A | 2x110V 0.4A | Bench case<br>(accessory for rack case) | 265x132x300 | 8,5 |
| BRD180                | 2x5V 14A      | 2x12V 8A  | 2x15V 7A   | 2x24V 3A   | 2x48V 1.5A | 2x110V 0.8A |   | 266x132x360 | 10  |
| BRD350                | 2x5V 20A      | 2x12V 12A | 2x15V 10A  | 2x24V 6A   | 2x48V 3A   | 2x110V 1.5A |   | 411x132x360 | 15  |
| BRD720                | 2x5V 25A      | 2x12V 20A | 2x15V 15A  | 2x24V 10A  | 2x48V 5A   | 2x110V 2.5A | Rack 19"                                | 3U x 516    | 24  |

| SERIE                 | VOLT - AMPERE |           |            |            |   |  | CHASSIS | DIM. mm     | Kg |
|-----------------------|---------------|-----------|------------|------------|---|--|---------|-------------|----|
| <b>Triple outputs</b> |               |           |            |            |   |  |         |             |    |
| BRT200                | 3x5V 10A      | 3x12V 6A  | 3x15V 5A   | 3x24V 3A   | Bench case<br>(accessory for rack case) |  |         | 266x132x360 | 10 |
| BRT360                | 3x5V 15A      | 3x12V 9A  | 3x15V 7.5A | 3x24V 4.5A |   |  |         | 411x132x360 | 15 |
| BRT730                | 3x5V 20A      | 3x12V 12A | 3x15V 10A  | 3x24V 6A   | Rack 19"                                |  |         | 3U x 516    | 24 |

| SERIE                    | VOLT - AMPERE |           |            |            |            |  | CHASSIS | DIM. mm     | Kg |
|--------------------------|---------------|-----------|------------|------------|------------|--|---------|-------------|----|
| <b>Quadruple outputs</b> |               |           |            |            |            |  |         |             |    |
| BRQ370                   | 4x5V 10A      | 4x12V 7A  | 4x15V 5A   | 4x24V 3A   | Bench case |  |         | 411x132x360 | 15 |
| BRQ740                   | 4x5V 15A      | 4x12V 10A | 4x15V 7.5A | 4x24V 4.5A |            |  |         | Rack 19"    |    |

## OPTIONS AND ACCESSORY

### CODE DESCRIPTION

#### CROWBAR OVERVOLTAGE

Regulable 5V-Vmax with led signallig.

OV-12A For maximum 12 Ampere power supplies.

OV-22A For maximum 22 Ampere power supplies.

OV-45A For maximum 45 Ampere power supplies.

Multi-output power supply needs one for each output.

#### DIFFERENT MAINS

Line115 From 230Vac to 115 Vac.

Line 115/230 For 115/230Vac commutable mains.

#### RACK KIT

KIT3U 19" 3U rack mounting Kit, with handles and rear outputs.