

Linear Regulation

EL-R series

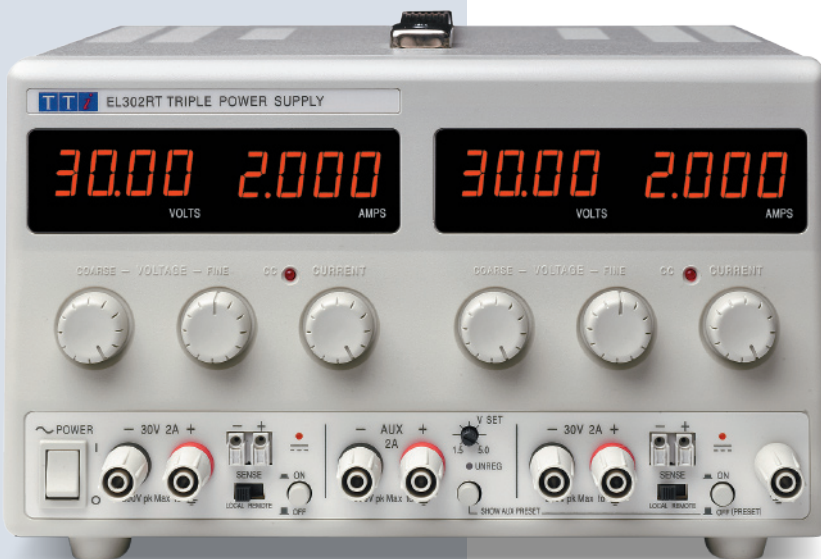
- ▶ Linear bench power supplies
- ▶ Single, dual or triple outputs
- ▶ 30W to 130W power range
- ▶ Switched remote sense terminals
- ▶ RS-232 interface model available

Power supplies using all linear regulation offer the lowest output noise, the best transient response and the most benign stability characteristics when driving complex loads.

The disadvantage is greater physical size and weight for a given power, together with higher heat output. Linear regulation is used on the EL-R, PL, PLH and QL series.

Dual output and triple output models are available using a similar casing style.

The EL302RT triple (illustrated) has a variable voltage auxiliary output which can be set using the digital displays. ▼



The EL-R series is the ideal solution for users requiring a good quality manual control, linear regulated bench power supply of low to medium power.

The series offers dual displays, high resolution control and metering, remote sensing, dc output switches and silent fan-free operation.

For those requiring a basic bus controllable power supply, versions with an RS-232 interface (EL302P) or a USB interface (EL302P-USB) are available. ▶



| Model | Outputs | Voltage / Current | Power | Interfaces |
|------------|---------|---|-------|------------|
| EL301R | One | 0 to 30V / 0 to 1A | 30W | - |
| EL183R | One | 0 to 18V / 0 to 3.3A | 60W | - |
| EL302R | One | 0 to 30V / 0 to 2A | 60W | - |
| EL302P | One | 0 to 30V / 0 to 2A | 60W | RS232 |
| EL302P-USB | One | 0 to 30V / 0 to 2A | 60W | USB |
| EL561R | One | 0 to 56V / 0 to 1.1A | 60W | - |
| EL155R | One | 0 to 15V / 0 to 5A | 75W | - |
| EL303R | One | 0 to 30V / 0 to 3A | 90W | - |
| EL302RD | Two | 2 x (0 to 30V / 0 to 2A) | 120W | - |
| EL302RT | Three | 2 x (0 to 30V / 0 to 2A) plus 1.5 to 5V @ 2A | 130W | - |

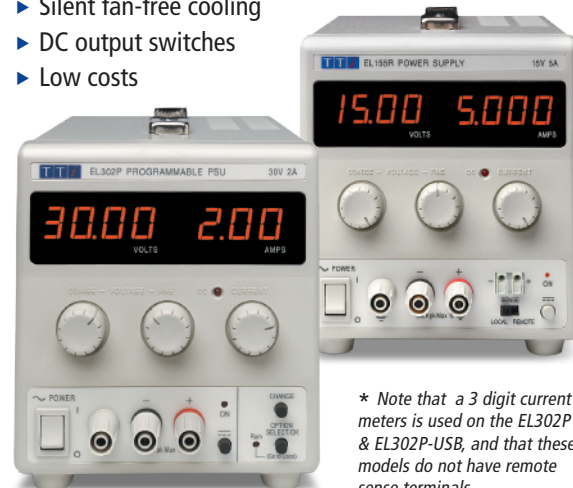
Brief specifications for main outputs:

Line & load regulation: <0.01%. Output noise: < 1mV rms.

Meter accuracies: voltage - 0.3% ± 3digits, current - 0.5% ± 3digits.

Sizes: singles - 140 x 160 x 295mm; dual/triple - 260 x 160 x 295mm (WxHxD)

- ▶ Linear regulation provides low noise
- ▶ 4 digit voltage and current meters on each output *
- ▶ Constant voltage or constant current operation
- ▶ Variable auxiliary output (1.5-5V@2A) on triple model
- ▶ Silent fan-free cooling
- ▶ DC output switches
- ▶ Low costs



* Note that a 3 digit current meters is used on the EL302P & EL302P-USB, and that these models do not have remote sense terminals.

PLH & PLH-P series

- ▶ High voltage versions of New PL
- ▶ Manual or bus programmable
- ▶ 90W power at 120V or 250V
- ▶ RS-232, USB, LAN or GPIB



The PLH series has been developed from the PL series (see next page) and retains all of its advanced features at output voltages of 120V or 250V.

Linear regulation offers the highest possible performance, and the compact quarter-rack width design provides an impressive 90 watts of power. A low current range provides 0.01mA resolution.

PLH-P series units have the same comprehensive set of interfaces as the PL-P, but with electrical isolation of the analog inputs.

| Model | Outputs | Voltage / Current | Power | Interfaces |
|----------|---------|-------------------------|-------|---------------|
| PLH120 | One | 0 to 120V / 0 to 0.75A | 90W | - |
| PLH250 | One | 0 to 250V / 0 to 0.375A | 94W | - |
| PLH120-P | One | 0 to 120V / 0 to 0.75A | 90W | RS232/USB/LAN |
| PLH250-P | One | 0 to 250V / 0 to 0.375A | 94W | RS232/USB/LAN |

Brief specifications for main outputs:

Line & load regulation: <0.01%. Output noise: < 2mV rms.

Meter accuracies: voltage - 0.1% ± 1digit, current - 0.3% ± 3 digits.

Size: PLH - 105 x 130 x 290mm; PLH-P - 105 x 130 x 315mm

