

## Linear Regulation

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, QL and TS series.

## 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

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	-

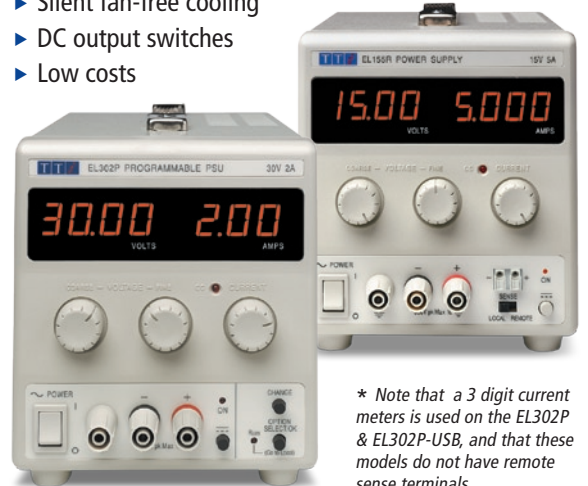
Brief specifications for main outputs:

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 New 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 New 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

