

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, PLH and QL 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	-

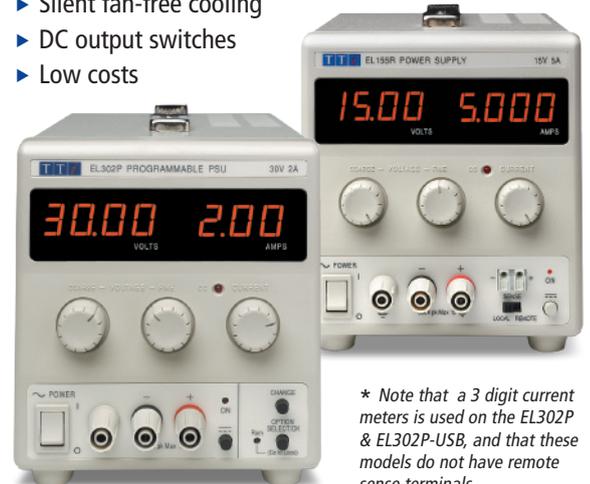
Brief specifications for main outputs:

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.

Other Aim-TTI Power Supply Series

EL-R series

Compact linear regulated power supply series with analog controls. Single, dual and triple outputs. 30 to 130 watts RS-232/USB controlled models (EL302P).

PLH & PLH-P series

Higher voltage versions of the New PL and PL-P series offering output voltages up to 250V. Single output, 90 watts. Models with RS-232, USB, and LAN (PLH-P). Optional GPIB.

PL & PL-P series

Advanced linear regulated power supply series with analog controls combined with digital functions. Ultra compact. Single, dual and triple outputs. 48 to 228 watts. Models with RS-232, USB, and LAN (PL-P). Optional GPIB.

QL & QL-P series

High precision digitally controlled linear regulated power supply series with advanced features. Single and triple outputs. 105 to 242 watts. RS-232, USB, & GPIB controlled models (QL-P).

EX-R series

Compact mixed-mode regulated power supply series with analog controls. Single, dual and triple outputs. 175 to 420 watts. RS-232/USB controlled models (EX355P).

TSX & TSX-P

High performance mixed-mode regulated single output power supply series with analog or digital controls. 360 watts. RS-232 and GPIB controlled models (TSX-P).

MX100T & MX100TP

New compact triple output power supplies with three full-performance outputs. Range switching gives up to 6A or 70V. 315 watts. Model with RS-232, USB, GPIB & LAN interfaces

CPX & CPX-P series

Compact 'PowerFlex' regulated series, single and dual output with analog controls, 350 to 840 watts. Models with RS-232, USB, GPIB & LAN interfaces (CPX-P).

QPX & QPX-P series

High power PowerFlex and PowerFlex+ regulated units, digital controls. Single and dual outputs, 750 to 1200 watts. Analog, RS-232, USB, GPIB & LAN (LXI) interfaces (QPX-P).