



Power Supplies

POWER SUPPLIES, REGULATED, DIGITAL (ELP.112.193)

The power supply is built in suitably sized steel cabinet employing modern technique and circuit, meters for measuring voltage, these power supplies are d.c. regulated, stabilised short circuit and overload protected, easy and safe to use as a power source for electronic equipment. The power supply can be operated in either constant voltage or constant current mode. Both voltage and current are precisely regulated with low output ripple. Voltage and current readings are displayed on two separate 3 1/2 digit meters. Output voltage, single or double, is continuously adjustable from 0 to 30 volts by coarse and fine controls.

Specification:

Meters :	3 1/2 digital panel meters separately for voltage and current.
Accuracy of DPM :	±0.2% of readings, ±2 least count.
Regulation :	±0.05% for current. ±0.05% for voltage
Ripple :	less than 3 mv r.ms
Input voltage :	230 volts ±10%, 50 Hz.

- .01 Capacity 1 Amp
- .02 Capacity 2 Amp
- .03 Capacity 5 Amp



POWER SUPPLIES, REGULATED, ANALOGUE (ELP.112.194)

Same as per **Cat. No. ELP.112.193** but output indication is through separate analogue meters.

- SMC-10468.1 Capacity 1 Amp
- SMC-10468.2 Capacity 2 Amp
- SMC-10468.3 Capacity 5 Amp



POWER SUPPLY 12 V AC AND DC (ELP.112.195)

The power supply is built in suitably sized steel cabinet employing modern technique and circuit; for measuring voltage and current are built in protection with fuse.

Specifications:

Mains input :	220 - 240 V 50 Hz
Output voltage :	0 to 12 V a.c. in 2 V steps.
Full wave rectification. :	0 to 12 V d.c. in 2 V steps
Protection :	provided with overload protection

- | | |
|-----|----------------|
| | Output current |
| .01 | 1 Amp |
| .02 | 2 Amp |
| .03 | 5 Amp |



POWER SUPPLY, CONTINUOUSLY VARIABLE, 25 V (ELP.112.196)

The power supply is built in suitably sized steel cabinet employing modern technique and circuit, meters for measuring voltage, gives continuously variable a.c. and d.c. outputs up to 10 A for a.c. and 8 A for d.c. A meter is provided to indicated both a.c. and d.c. voltages. An internal fuse is provided for input and a resettable cut-out for output. With mains lead.



Specifications:

Mains input :	220-240 V a.c. 50/60 Hz
Output voltages :	0 to 25 V a.c. and unsmoothed full wave rectified d.c.
Output current :	10 A maximum a.c. 8 A maximum d.c.
Voltage selection :	Rotary continuously variable transformer operated by a large knob in front panel.
Metering :	a.c and d.c output voltages by a moving coil meter with selector switch to select a.c or d.c
Circuit protection :	Mains input 3 A internal glass fuse link. Output is protected by a resettable cut-out.
Output terminals :	Colour coded 4 mm sockets.

DC Regulated Power Supply for Electroforis Apts. (Solid state) (ELP.112.197)

Output Voltage : 0-300VDC/100 mA (With reversing switch to change the polarity at the output terminals), L.T. Voltage : 6.3VAC/2Amp. Complete with two analog Meters.



POWER SUPPLY FOR ELECTROMAGNETIC KIT (ELP.112.198)

For Westminster Electromagnetic Kit giving 1 V full wave rectified d.c. and 1 and 2 V.a.c. outputs at 8 A max. The circuit diagram is printed on the top panel which also carries mains switch, light indicator and output sockets for d.c. and a.c. With 1.5 metre mains detachable cable.



POWER SUPPLY E.H.T (ELP.112.199)

The unit provides a continuously variable E.H.T output from 0 to 5 kV d.c. with a low voltage output of 6.3 volt d.c. and is ideal for vacuum tubes etc. This unit uses a low voltage transistor inverter circuit and E.H.T. transformer. The high a.c. voltage is rectified and smoothed. A meter calibrated 0 to 5 kV is connected to control the output voltage.

Output :
E.H.T.-0 to 5 kV d.c., continuously variable. Terminal output voltage indicated by meter.
Max short circuit current is safely at 3 mA. A heater supply 6.3 V a.c. at 4 A is fully isolated & insulated for 5 kV.

Protection :
Mains 500 mA antisurge fuse, Output overload protected, E.H.T. max current limited to 3 mA.

POWER SUPPLY H.T (ELP.112.200)

Suitable for spectrum tubes, in case, with on/off and selector switch. Output 5 kV, 2-3 millamps. Operates on 220V A.C. 50Hz + 10%.

Output :
E.H.T.-0 to 5 kV d.c., continuously variable. Terminal output voltage indicated by meter.
Max short circuit current is safely at 3 mA. A heater supply 6.3 V a.c. at 4 A is fully isolated & insulated for 5 kV.

Protection :
Mains 500 mA antisurge fuse, Output overload protected, E.H.T. max current limited to 3 mA.

POWER SUPPLY DIGITAL (ELP.112.201)

The DC Regulated Power Supply is an easy to use, low ripple high regulation precision instrument. Its unique feature is overload protection which makes it a safe power source for testing of electronic equipment. Both voltage and current are precisely regulated with low



output ripple. The power supply can be operated in either constant voltage or constant current mode and is protected against overload or short circuit by means of automatic cross-over characteristics from C.V. to C.C. The output voltage and currents can be read on a meter. A switch is provided to select the LOW or HIGH" range of current. Maximum voltage is 30 volts.

Specification

Indication of: 1-50 3 1/2 digital panel meter voltage/ current or analog panel meter

Accuracy of DPM: 1-100 0.5% + 1 digit

Accuracy of Analog Meter: 1-500 3% fsD

Line Regulation: 1-1000 0.05% plus 2 mv(for + 10% change in mains voltage)

Protection: 1-5000 Automatic cross-over type of output characteristic from C.V. to C.C.

Power Source: 1-10000 220 V AC + 10% / 50Hz.



Power Supply, AC-DC (ELP.112.202)

The unit offers A.C. voltages of 1.5, 3, 6, 9, 12Volts and regulated continuously variable D.C. voltages. Separate A.C. and D.C. color coded terminals are provided and A.C. and D.C. voltages may be used simultaneously up to a maximum combined load of 6Amps. D.C. voltages appear on the digital display on the front panel. The output voltage is monitored by a sophisticated system which detects overloads and short circuits and cuts power to the terminals. Supplied with IEC connector and detachable IEC lead. Operates on 220Volts 50 Hz.



Power Supply, AC-DC, 6V-12V (ELP.112.203)

POWER SUPPLY 6V/12V AC / DC Outputs AC : 6V / 12V 5Amp. Outputs DC : 6V / 12V 5Amp. fully regulated. 6V / 12V AC / DC voltage is selectable with the help of change-over switch.

Protection : The DC output is fully regulated and overload short circuit protected. Overload condition is indicated by Red LED. Operates on : 220 / 230 Volts 50Hz.



Dual Output Power Supply (ELP.112.204)

A compact regulated power supply offering 0, 2, 4, 6, 8, 10, 12Volts AC at currents upto 3Amp AC and 0,1, 4, 7, 10, 15Volts DC at currents upto 3Amp DC. Both DC and AC outputs may be used simultaneously upto rated output. The unit is short circuit with cut off indicator and manual cut off reset. With on/ off lock key. Operates on 220 volts AC 50Hz.