

Electravolt Series

- ✓ **Fixed voltage range**
- ✓ **Corrosion resistant body**
- ✓ **Negligible voltage dip on connecting to electrophoresis unit**

Electravolt 2.0

- ✓ **Output voltage: 80 V, 110 V, 140 V, 200 V**
- ✓ **Max current: 150 mA**



Electravolt 2.0

Electravolt 3.0

- ✓ **Output voltage: 50 V, 100 V, 150 V, 200 V**
- ✓ **Max current: 150 mA**



Electravolt 3.0

Features of this apparatus

Economical

- Less space required by virtue of its compact design
- Achieve short run times due to high current capacity
- No cold room required as power packs can be connected in the refrigerator*

Rugged

- Made of thick quality plastic
- Slow blow fuse to safe guard the transformer
- No corrosion on the body as it is resistant

Easy-To-Use

- Easy to use 4 mm banana plug connectors
- Easy to choose selector switch and/ or knobs

Error Minimization

- Made of shock proof plastic body
- Color coded to avoid errors
- Slow blow fuse to protect the transformer

Ordering description

Electravolt 2.0 (E4100080): Power supply, Range 80 V, 110 V, 140 V, 200 V, single output

Electravolt 3.0 (E4100050): Power supply, Range 50 V, 100 V, 150 V, 200 V, single output

SUGGESTION

Order along with Ready-to-use system
Ecopage, Slimpage, Ecosub, Slimsub.

Complete Specifications

Details	Electravolt 2.0	Electravolt 3.0
Voltage Outputs	80 V 110 V 140 V 200 V	50 V 100 V 150 V 200 V
Current Output	upto 150 mA DC	upto 150 mA DC
No. of Outputs	1	1
Power (Wattage)	30 W	30 W
Voltage Adjustment	Via rotary switch	Via rotary switch
Current Adjustment	None	None
Mode of Regulation	Constant voltage, current limited	Constant voltage, current limited
Voltage Indicator	None	None
Timer	None	None
Autorecovery on power failure Set point stays indefinitely	Yes	Yes
Operating temperature range	0Å°C to +40Å°C	0Å°C to +40Å°C
Voltage input	230 rms, 50 Hz, single phase	230 rms, 50 Hz, single phase
Frequency	47 Hz to 53 Hz	47 Hz to 53 Hz
Transient suppression provided	Yes	Yes
Component details Mains switch Fuse Output socket Mains inlet	Illuminated rocker switch 1A, internal 4 mm female on front panel 2 pin on side panel	Illuminated rocker switch 1A, internal 4 mm female on front panel 2 pin on side panel
Line regulation in CV mode	Better than +/- 5%	Better than +/- 5%
Load regulation in: no load to full load variation (in CV mode)	Better than 10% for 10%-100% load variation or vice versa	Better than 10% for 10%-100% load variation or vice versa
Ripple and noise in CV mode	Less than 5% peak to peak at highest output voltage	Less than 5% peak to peak at highest output voltage
Overload protection	None Blinking light indicates overload	None Blinking light indicates overload
Short circuit protection	Transient protection	Transient protection
Overvoltage protection	None	None
Isolation - between AC input & DC output terminals - between DC output terminals and chassis	2.1KV AC for 1 min 500V AC for 1 min	2.1KV AC for 1 min 500V AC for 1 min
Insulation - between DC output & chassis	100 Mohms @ 50 DC	100 Mohms @ 50 DC
Humidity tolerance	upto 95% (non condensing)	upto 95% (non condensing)
Cooling	By normal convection, venting at the bottom and sides	By normal convection, venting at the bottom and sides
Dimensions of the body [measurement excludes projecting knobs, handles and switches]	150 mm (w) x 75 mm (h) x 75 mm (d)	150 mm (w) x 75 mm (h) x 75 mm (d)