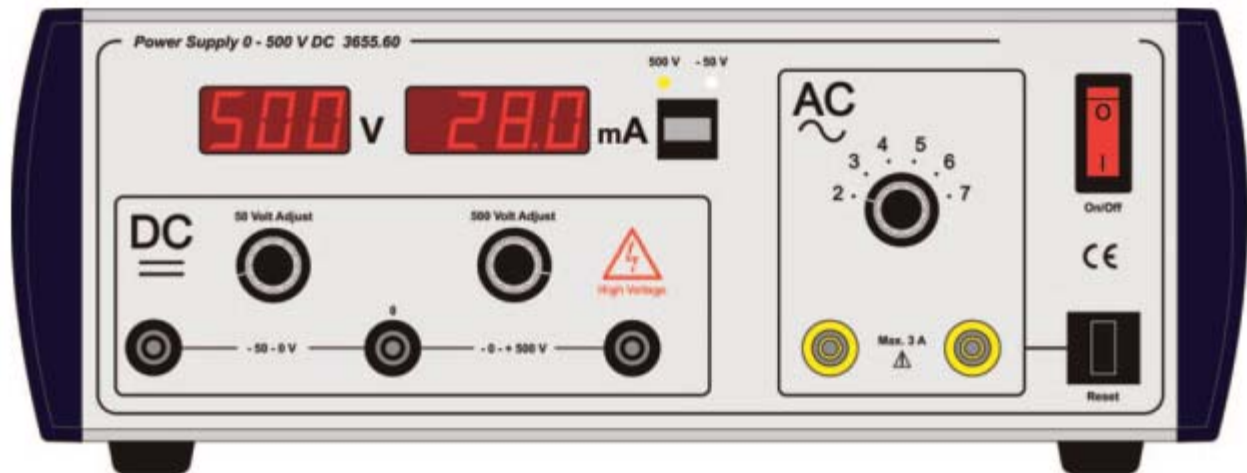


Manual for power supply

0 til +500 V DC / 0 til -50 V DC / 2 - 3 - 4 - 5 - 6 - 7 V AC



The power supply delivers two stabilized DC voltages as well as an AC voltage.

The two DC outputs, 0 to -50 V and 0 to 500 V, are independently adjusted but shares a common ground. The DC outputs are supplied with a 50 mA current limiter.

The two displays show voltage and current for one output at a time, selected by a switch.

The AC output is switchable between 2 and 7 V in 1 V increments. The AC output delivers up to 3 A and is protected against overload by a circuit breaker.



Note! When using the power supply the following safety rules should be observed:

Caution – HIGH VOLTAGE !

- Always work together with a partner, never alone.
- Wear shoes with rubber soles.
- Use only one hand. Keep the other in your pocket or on your back.

Use of the power supply

Turn the control knobs fully counter clockwise before turning the power supply on.

Turn on at the power switch.

The DC output which is first to be set is chosen by the pushbutton switch, enabling the voltage and current to be monitored on the displays while adjusting. Repeat with the other output (if used).

If both outputs must be monitored continuously, use external meters on one of them.

The AC voltage can not be monitored on the display but is given by the switch position.

All outputs are overload protected.

If the circuit breaker in the AC output trips, you should find and eliminate the cause, before it is reset.

The apparatus is also protected by two fuses, placed on the back of the cabinet. If a fuse is blown, it must be replaced with a new one with the same specification (see spare part list below).

Technical specifications

0 to -50 V DC, max 50 mA

0 to +500 V DC, max 50 mA.

2 to 7 V AC, max 3 A.

Ripple: Less than 0.1 %.

Stabilization: Better than 1% for a combined variation of mains voltage and load up to 10%.

Mains voltage: 230 V AC, 50/60 Hz.

Dimensions: 297 x 118 x 225 mm.

Weight: 4.2 kg

Spare parts

Miniature fuses (\varnothing 5 x 20 mm) 500 mA/250 V.