LoVolt Power Supply

Introduction

The unit is intended for use as a general purpose laboratory power supply to provide voltages of up to 14V at currents of up to 4A a.c. or d.c. continuously or up to 5A for periods of 1 hour maximum.

Outputs

Outputs of 2, 4, 6, 9, 12 and 14V a.c. or d.c. are available from two pairs of 4mm sockets. The a.c. and d.c. outputs can be used simultaneously provided that the total load does not exceed 4A. The sockets are colour coded white for a.c. and red/black for d.c.

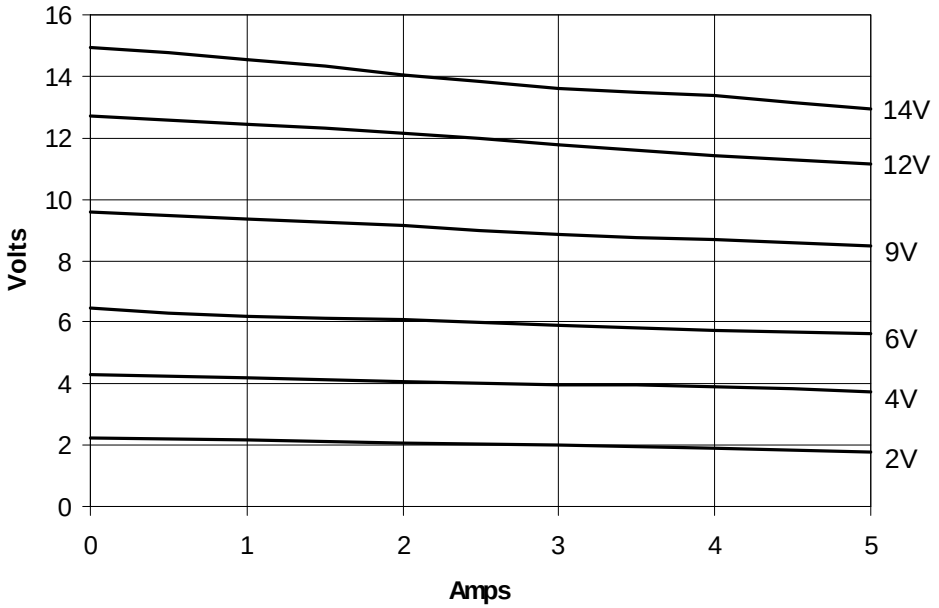
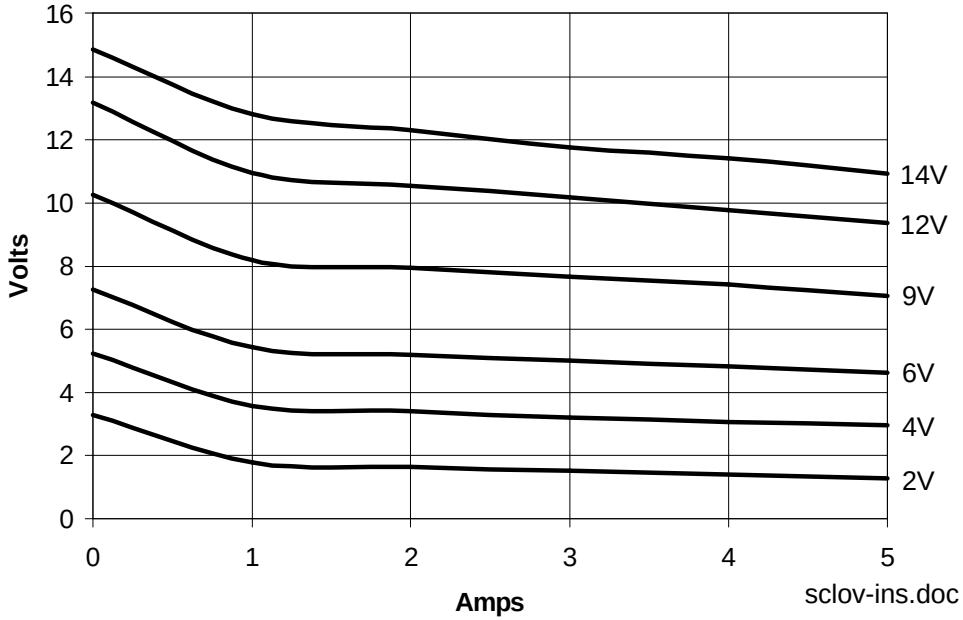
Voltage ranges are selected by means of the rotary switch on the front panel. To prevent damage to this switch:

DISCONNECT OUTPUT BEFORE SWITCHING RANGE.

In the event of overload or short circuit the current sensing circuit breaker on the front panel will operate. Disconnect the output before pressing the button to reset the circuit breaker.

When any power supply is supplying current to a load, the voltage output will decrease slightly as the current supplied is increased. The graphs opposite show how the voltage level of each selected range drops as the current supplied increases.

LoVolt Power Supply a.c. Output Load Regulation



LoVolt Power Supply d.c. Output Load Regulation