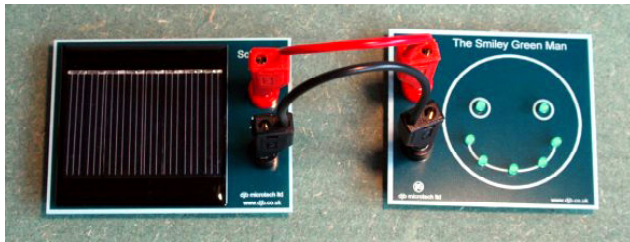


## Technical Notes

### Smiley Green Man & Solar Motor



#### Associated Equipment

The following djb microtech equipment can be used with the Smiley Green Board and the Solar

- Solar Cell L1-1000.00
- Solar Cell Investigation Board L1-1010.00
- Thermal Generator L1-1050.00
- Windmill L1-1040.00

The Smiley Green Man and the Solar Motor are output devices and they should be used to show that electrical energy is being produced.

#### Maximum Input Voltage

The Smiley Green Man input voltage should be restricted to a maximum of 2.2V. The LEDs will turn on when the voltage is approximately 1.8V.

The Solar Motor input should be in the range 1.5 - 4.5V.

Note that if the open circuit voltage of the Solar Cell is at a maximum of 4.4V it is still safe to connect your Smiley Green Man Board because the electrical load causes the output voltage to fall to 1.9V.