

Digital electronics with Arduino II



Year 9 Unit 2 - Chapter 1

Today's Agenda

Getting Started:

1. Get familiar with solar panel set up
2. Connect panel to solar power management

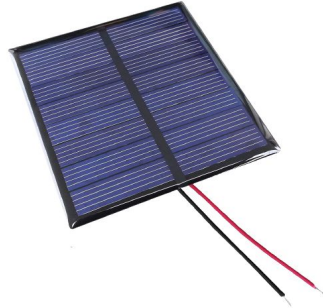


Equipment needed

**Solar Power
Management Module**



Solar Cell Panel



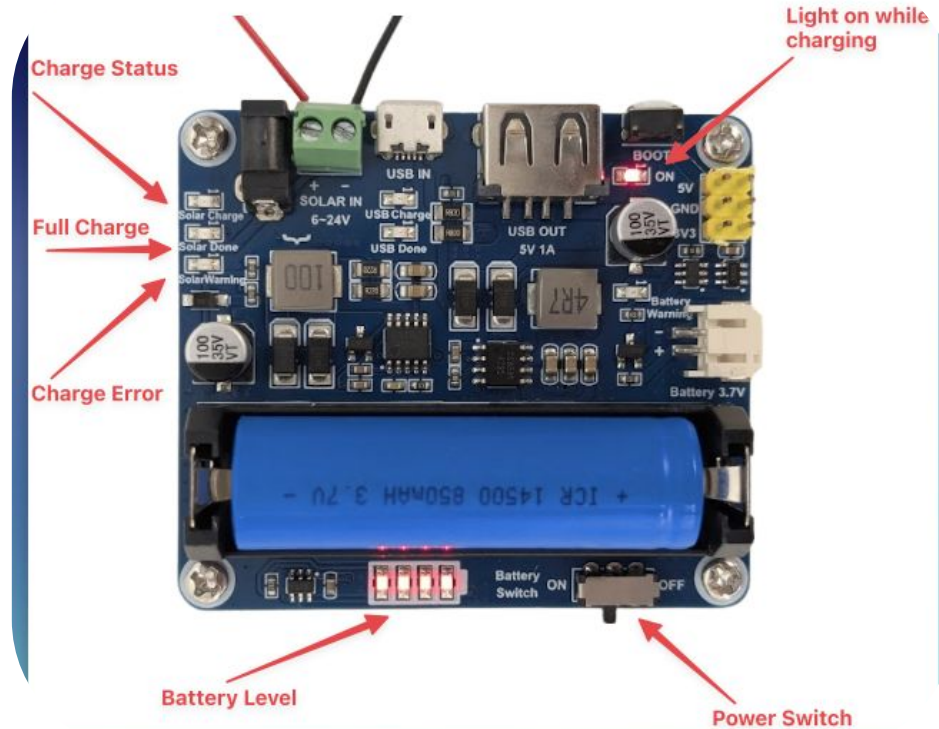
Hobby Pliers



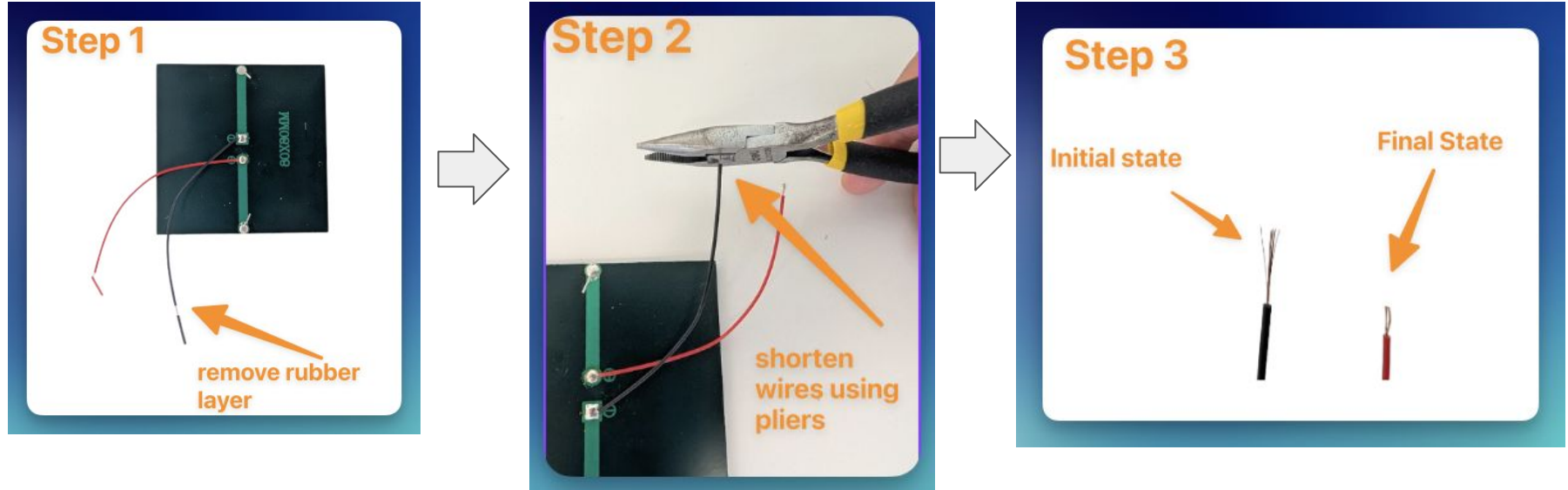
Screwdriver set



Solar Power Management Module



Step 1: Prepare wires



Make sure wires have sufficient length to be used in next step

Step 2: Connect wires to circuit

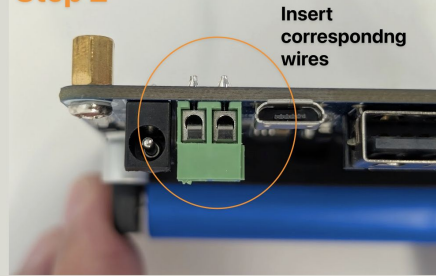
Make sure +pos connects with +pos and -neg connects with -neg

Step 1

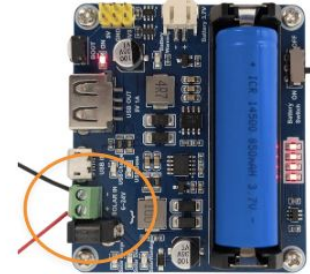


Use screwdriver to open space for wires

Step 2



Step 3

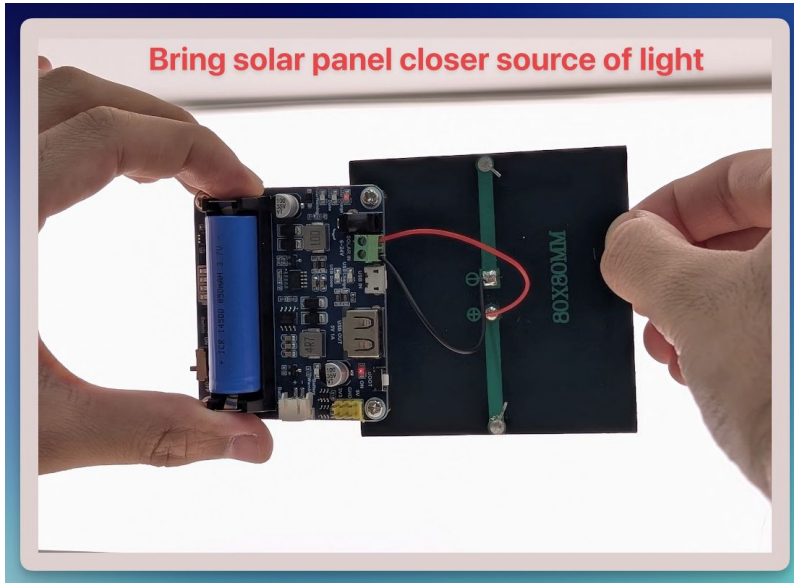


Connect red wire to positive side
Connect black wire to negative side

Screw both sides back to original position

Step 3: Bring panel close to source of light

1. Bring you set up closer to source of light and experience it in action.
2. You will be able to see light when your battery switch is OFF



Observe blinking dim light

Summary

You learnt 3 basic functions

- Connected solar panel to circuit
- Identify different state of battery charge
- Understood relationship between