

Components

- Junction Box
- Microcontroller
- 3.7V Lithium-ion Battery
- 5V 6W Solar Panel
- Battery Charge Controller
- Light Color Sensor (AS7341)
- Temp/Pres/Hum Sensor (BME280)

There are 4 wires soldered to the light color sensor (AS7341) that need to be wired to the microcontroller as follows:

- VIN - Connect this pin to 3.3V on the microcontroller
- GND - Connect this pin to ground on the microcontroller
- SCL - Connect this pin to SCL on the microcontroller
- SDA - Connect this pin to SDA on the microcontroller

The BME280 connects to the AS7341 using a STEMMA QT connector.

Wiring For Peripheral Devices

