

### Project description:

To monitor the load current using the LT6100 current sensor and amplify the output. And feed to adc channel input. Which capture the voltage variation accurately and display the consumed current.

We are using two LT6100. One is for the Calibration with different standard resistors and another one is for the Real test measurement.

ADC works on SPI communication. ADC the input would be positive only. (101 = AINP is AIN1 and AINN is GND). Shunt resistance is 0.075E.

ADS1118 IC has different inbuilt references (0.256v to 6.114V) and clock. It doesn't have gain settings.





