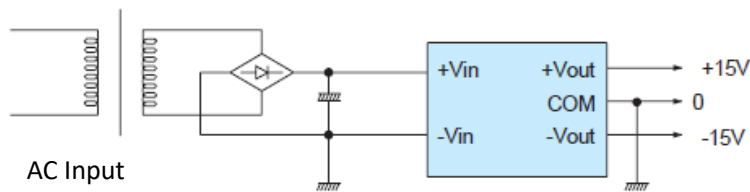


Using DC-DC Converters

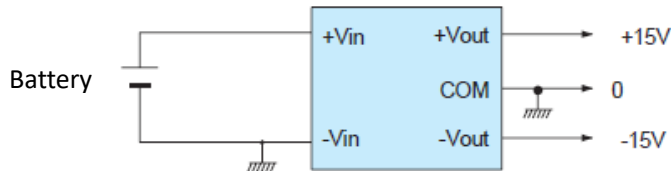
Prepared By MKT
018-3-25

We will introduce DC-DC converters using method as below, and hope to help you resolve the output voltage in your design.

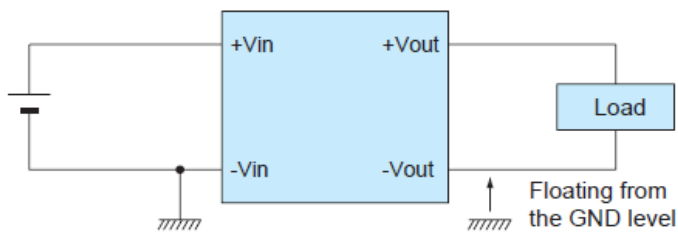
1. When using AC power source



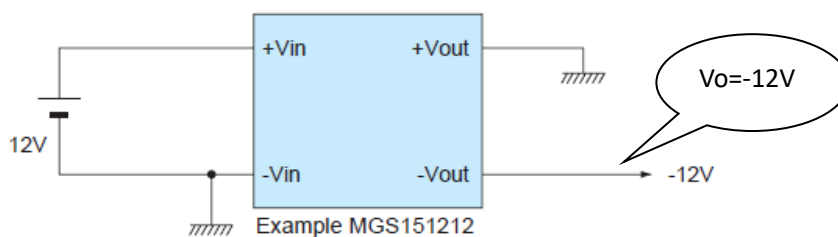
2. When Using a Battery-operated Device



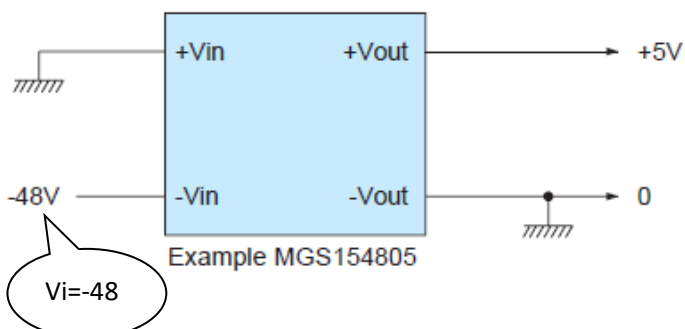
3. When a Floating Mechanism is Required for the Output Circuit



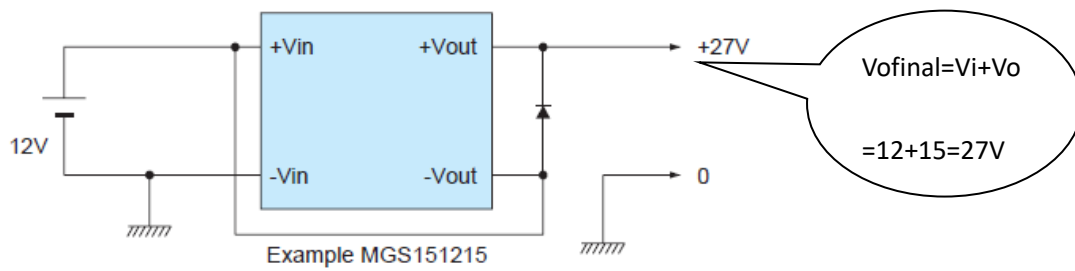
4. To Draw a Reverse Polarity Output



5. To provide a negative voltage to -Vin by using +Vin side of the converter as GND potential (0V)



6. To draw the sum of input voltage and plus output voltage

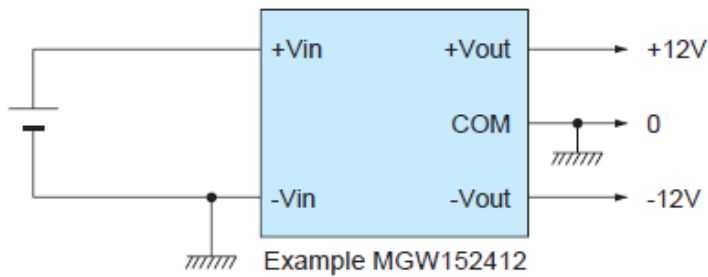


*Output current should be the same as the rated output current of the converter.

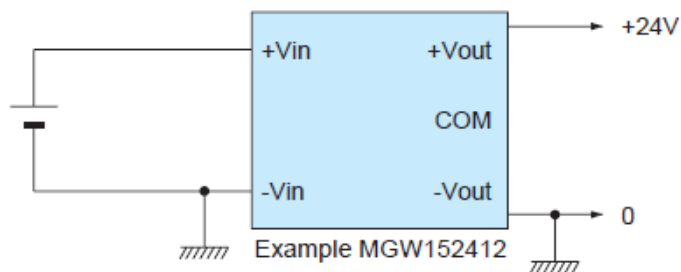
*Output voltage fluctuation is the sum of the input voltage fluctuation and the output voltage fluctuation of the converter.

7. To use a dual output type

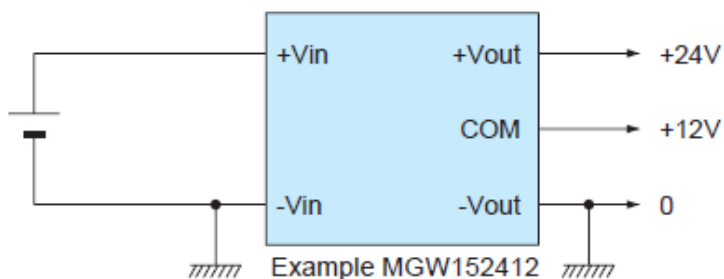
7.1 Dual output type is typically used in the following manner.



7.2 The unit can be used as a 24V type single output power supply as follows.



7.3 The sum of +12V and +24V flows to the 0V line. Please make sure that this value does not exceed the rated output current of the converter.



8. To draw 48V output

