



-The DC-DC converter should provide 5.8V

- The ESP is powered with 5.8V

- The increased voltage is needed in order for the MCP1703 to provide stable 5V to the ADS1115 and the current sensor

- Comment: the increased voltage depends on the drop-out voltage of the used regulator  
MCP1703 Vdo=650mV -> provide 5.8V  
MCP1754 Vdo=300mV -> provide 5.5V