

***Note any highlighted variable is one you can change**

Power Source:		
(Li-ion)	Cell Max:	4.20 V
	Cell Min:	3.00 V
	Cell Count:	3
	Voltage Max:	12.60 V
	Power Min:	9.00 V

Heating element:		
(Resistors In parrallel)	Target Power:	10 W
	Target Resistance:	15.88 Ω
	Branch Resistance:	> 31.75 Ω *This only a
	Branch Power:	> 5.00 W

Electronics		
(Thermistor)	Resistance (25C):	1000 Ω
	Resistance (100C):	80 Ω
	Highest Power:	0.16 W
(Resistor)	Resistance required:	200 Ω
	Highest Power:	0.41 W
(Potentiometer) 10 K	Min Resistance:	0.00 Ω
	Max Resistance:	10000 Ω
	Highest Power:	0.02 W
(LED RED)	Li-ion Cut off:	10.00 V
	LED voltage:	1.75 V

applies if there are 2 resistors in parallel where each branch is for each resistor

	Current:	Voltage Drop	
Pot Min (25C)	0.011 A	10.50 V	*Note: when changing the (resisto
Pot Min (100C)	0.045 A	3.60 V	*and approximately 2-3V here
Pot Max (25C)	0.001 A	1.13 V	*Note: Change the (potentiometer
Pot Max (100C)	0.001 A	0.10 V	* and below 2 V here
		(current)	
Resistor 1:	165 Ω	0.05	
Resistor 2:	35 Ω		

r) value you should aim for the highest voltage drop here: