

Single Input
 1S LiPo Battery
 1S w/ 1.5Mhz Switching (Set by PROG)
 REGN = 4.8V
 Charging Rate = 3.3A (set by ILIM)
 NTC lower limit = 0 Celsius
 NTC higher limit = 100 Celsius
 Battery Max Voltage = 4.2V

Batteries

Temperature Calculations

$$RT2 = \frac{RTH_{COLD} \times RTH_{HOT} \times \left(\frac{1}{VT1} - \frac{1}{VT5}\right)}{RTH_{HOT} \times \left(\frac{1}{VT5} - 1\right) - RTH_{COLD} \times \left(\frac{1}{VT1} - 1\right)}$$

$$RT1 = \frac{\frac{1}{VT1} - 1}{\frac{1}{RT2} + \frac{1}{RTH_{COLD}}}$$

VT5 = 0.339
 VT1 = 0.733
 RTH_COLD = 188.5K (-40 C)
 RTH_HOT = 1.451 (85 C)
 RT2 = 6.578K ~ 36.57K
 RT1 = 2.318K ~ 2.32K

Changed temp to 85 C max / -40C min
 Lets in lowest voltage (highest temp)

Battery Thermistors

Table 8-1. Function Table

CONTROL INPUTS	ON CHANNEL
L	B1
H	B2

NTC Temp Range
 0 Celsius to 100 Celsius

STAT =
 HIGH = Charging Complete OR Charging Disabled
 LOW = Charging
 BLINK = Fault

