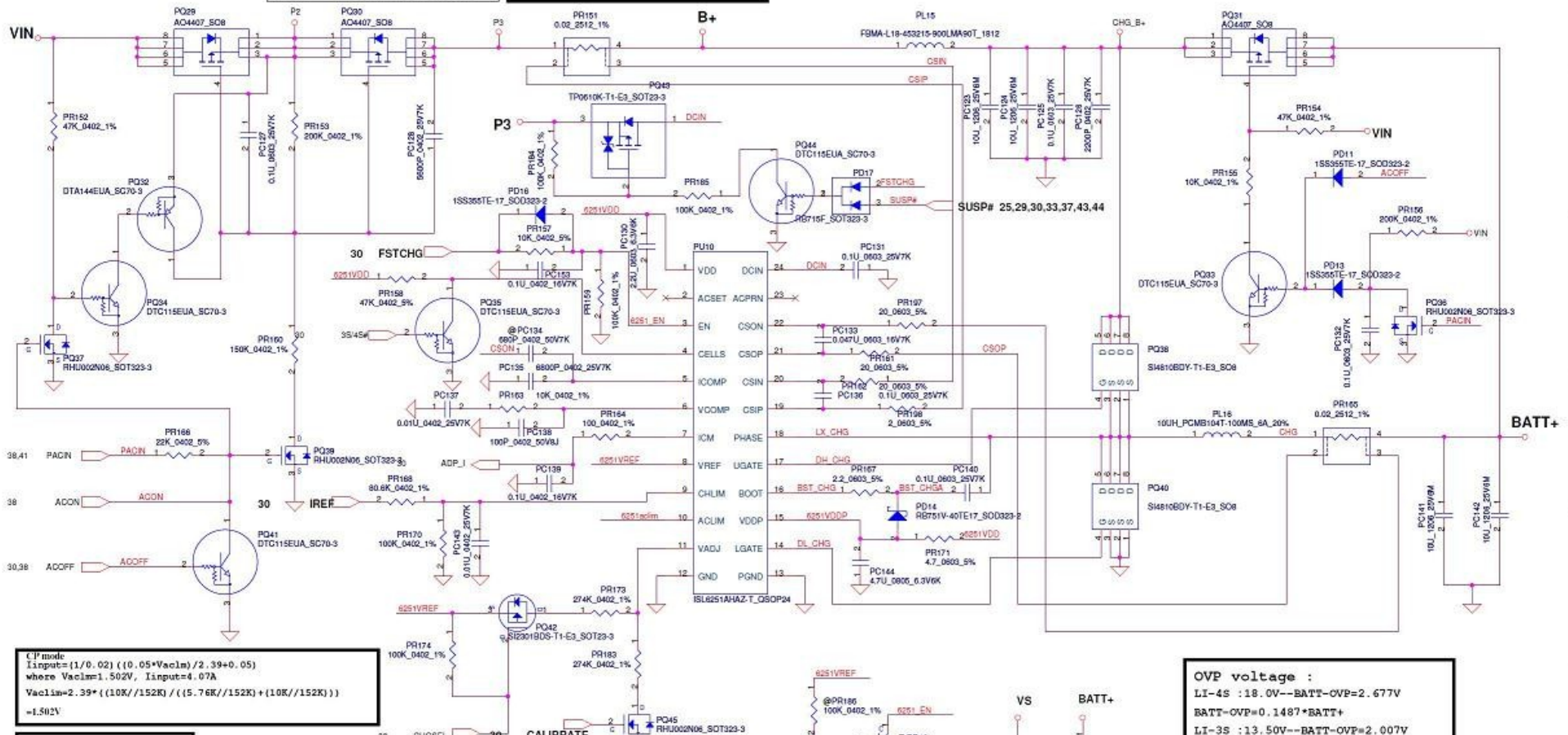


I_{ada}=0~4.74A (90W)

ADP_I = 19.9 * I_{adapter} * R_{sense}

CP = 85% * I_{ada} ; CP = 4.07A



CP mode
 $I_{input} = (1/0.02) * (0.05 * V_{acim}) / (2.39 + 0.05)$
 where $V_{acim} = 1.502V$, $I_{input} = 4.07A$
 $V_{acim} = 2.39 * ((10K / 152K) / ((5.76K / 152K) + (10K / 152K)))$
 = 1.502V

CC=0.6~4.48A
 IREF=0.7224 * I_{charge}
 IREF=0.43V~3.24V

BATT Type	Charging Voltage (0x15)	3S/4S#	CHGSEL	CV mode
2800mAH 4S pack	17400mV	LOW	LOW	17.20V
2800mAH 3S pack	13050mV	HIGH	LOW	12.90V
Normal 4S LI-ON Cells	16800mV	LOW	HIGH	16.80V
Normal 3S LI-ON Cells	12600mV	HIGH	HIGH	12.60V
Wake up charge while no communication	-	HIGH	HIGH	12.60V

OVP voltage :
 LI-4S : 18.0V -- BATT-OVP = 2.677V
 BATT-OVP = 0.1487 * BATT+
 LI-3S : 13.50V -- BATT-OVP = 2.007V
 BATT-OVP = 0.1487 * BATT+