

Input voltage from power supply = 36 V 10A

Battery Voltage = 23.3 V (24V 7A Battery Used)

Output change is highlighted with **green**.

LT8490 IC	Output DC Voltage with respect to ground	Output DC after Replacing R35 10K with 10ohm
Pin 7 - INTVcc Pin 24 - GATEVcc	6.30 V	6.30 V
Pin 11 - SHDN	8.45 V	8.43 V
Pin 20 - CLKOUT	200KHz	Noise on DSO
Pin 46 - Vin	35.3 V	35.3 V
Pin 10 - IMON_IN	144 mV	141.2 mV
Pin 17 - IMON_OUT	0.7V to 3V	496 mV to 570 mV
Pin 50 - IOW	0 V	3.8 mV
Pin 15 & 1 - FBIN/FBIR	1.86 V	1.86 V
Pin 6 - FBIW	3.3 V	3.3 V
Pin 21 - SYNC	0 V	0 V
Pin 56 - CLKDET	0 V	0.2 mV
Pin 20 - CLKOUT	0 V	0.2 mV
Pin 61 - CHARGECFG1	2.87 V	2.87 V
Pin 63 - CHARGECFG2	3.3 V	3.3 V

SWEN - Pin 8	0.7 V to 3.3 V	0.7 V to 3 V (Vary)
Pin 5 - FBOW	1.88 V	1.88 V
Pin 16 - FBOUT	1 V	1 V
Pin 57 - FBOR	1 V	1 V
Pin 41 - CSNOUT	22.8 V	23.2 V
Pin 42 - CSPOUT	22.8 V	23.2 V
Pin 58 - AVDD, Pin 4 - VDD, Pin 14 - LD033	3.3 V	3.3 V
Pin 19 - SS	3 V (vary)	4 mV
Pin 9 - Mode	0 V	0 V
Pin 40 - EXTVcc	22.8 V	23.2 V
Pin 32 - TG1	0 V (M1-GSD 0V 0V 35V)	0 V (M1-GSD 0V 0V 35V)
Pin 28 - TG2	0 V (M4-GSD 0V 0V 22.8V)	0 V (M4-GSD 0V 0V 23.2V)
Pin 23 - BG1	6.3 V (M2-GSD 6.3V 0V 0V)	6.3 V (M2-GSD 6.3V 0V 0V)
Pin 25 - BG2	0 V (M3-GSD 0V 0V 0V)	0 V (M3-GSD 0V 0V 0V)
Pin 33 - BOOST1	5.84 V	5.84 V
Pin 27 - BOOST2	5.84 V	5.84 V
Pin 18 - Vc	0 V	50 mV to 125 mV

Pin 13 - CSP	0 V	0.2 mV
Pin 12 - CSN	0 V	2 mV
Pin 44 - CSNIN	35.2 V	35.2 V
Pin 45 - CSPIN	35.2 V	35.2 V
Pin 42 - CSPOUT	22.8 V	23.1 V
Pin 41 - CSNOUT	22.8 V	23.1 V
Pin 22 - RT	0.7 V	0.8 V

After changing the R35 resistor, I don't see any change in battery level.