This is a brief description of how the program works. Had to make some extra changes from the previous versions due to hitting some of the limitations of the BS2. Been spoiled by working with the Propeller.

The I/O definitions and constants below in blue are the only ones that you may want to change.

Pin definitions if you modify the hardware connections. •

- The slave addresses. The slave1 works with an unmodified INA board, and the slave2 address • should work with the INA board with the A0 pads jumpered, but I did not have a second board to test with.
- The VMIN, RUNON, and RUNOFF comments pretty much sum up their purpose. The • RUNOFF time is a safety waiting period to avoid constant restarts if something should go wrong with sensing the battery voltage.
- CONV is the conversion factor used to convert the on/off times in minutes to the number of • loops the program takes for that time. I timed 500 loops with the phone stopwatch app so it is reasonably close, but not precision timing.
- Be aware that the largest number of loops is limited to 65535, so (RUNON + RUNOFF) * • CONV cannot be larger than that.

:[I/O Definition	s]	
RY1	PIN	0	
RY2	PIN	1	
BICLED1	PIN	3	
BICLED2	PIN	4	
GRNLED	PIN	14	
SDA	PIN	7	
SCL	PIN	8	
'+++++++++i2c constants++++++++++++			
	••••	1	
Ack		0	
INA219Sl1			'slave1 address
INA219S12	CON	\$81	'slave2 address
'+++++VOLTAGE MIN & GENERATOR RUN TIME VALUES++++++			
VMIN	CON	12300	'Voltage in millivolts to start generator
RUNON	CON	150	'Run time period in minutes for the generator
RUNOFF	CON	10	'Generator off time in minutes before it will restart
' Minutes to loop count converted constants			
CONV	CON	50	'Multiplier to convert minutes to loop counts
Genon	CON	RUNON +	RUNOFF * CONV
Genoff	CON	RUNOFF *	* CONV
'+++++++++Variables++++++++++++++++++++++++++++++++++++			