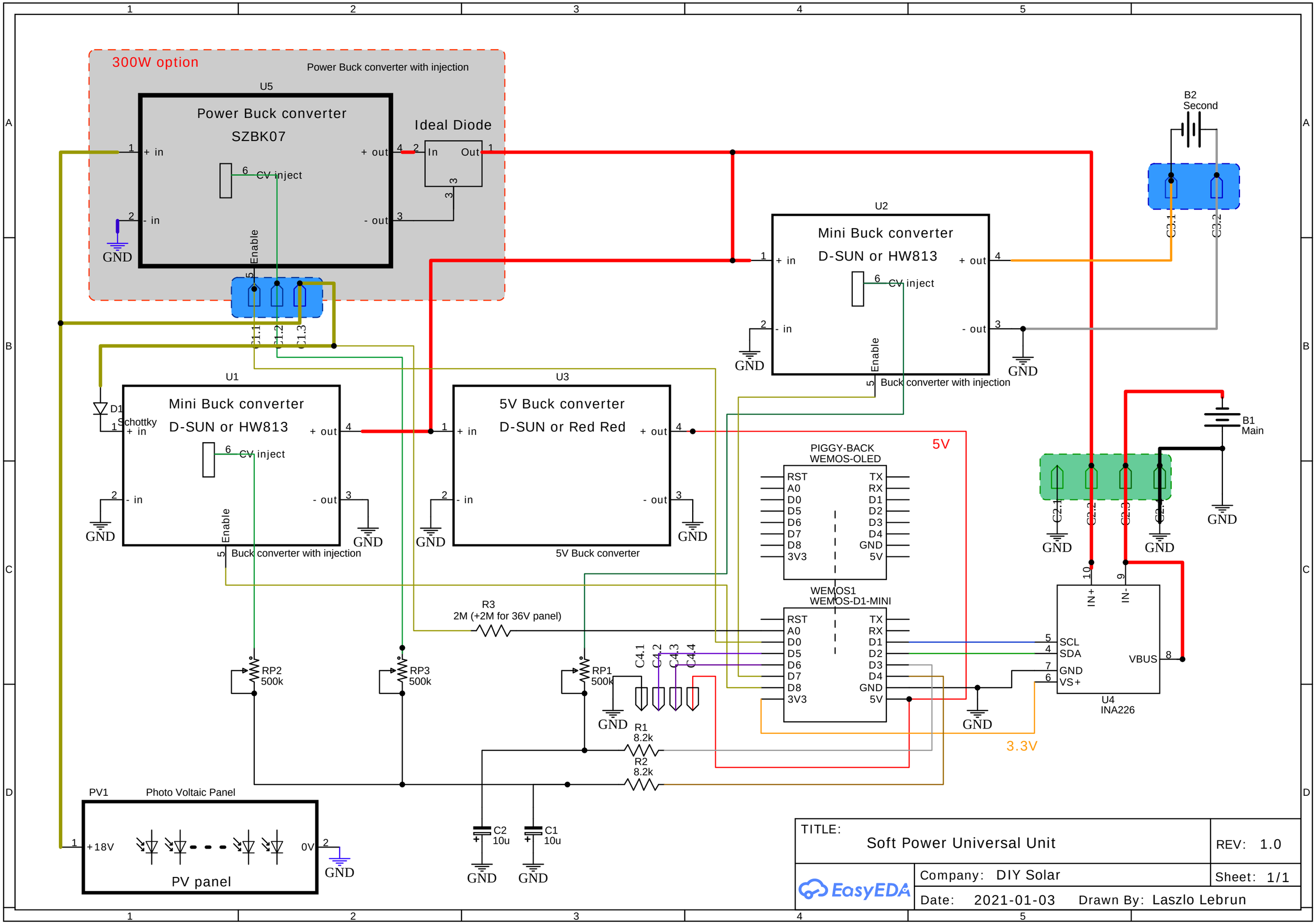
300W option
Power Buck converter with injection
U5
Power Buck converter
SZBK07
+ in
- in
+ out
- out
CV inject
Enable
GND
Ideal Diode
In
Out
C1.1
C1.2
C1.3
B2
Second
C3.1
C3.2
U2
Mini Buck converter
D-SUN or HW813
Buck converter with injection
U1
Mini Buck converter
D-SUN or HW813
Buck converter with injection
D1
Schottky
U3
5V Buck converter
D-SUN or Red Red
5V Buck converter
B1
Main
PIGGY-BACK
WEMOS-OLED
RST
A0
D0
D5
D6
D7
D8
3V3
TX
RX
D1
D2
D3
D4
GND
5V
WEMOS1
WEMOS-D1-MINI
R3
2M (+2M for 36V panel)
RP2
500k
RP3
500k
RP1
500k
C4.1
C4.2
C4.3
C4.4
R1
8.2k
R2
8.2k
C2
10u
C1
10u
C2.1
C2.2
C2.3
C2.4
IN+
IN-
SCL
SDA
VBUS
VS+
U4
INA226
3.3V
PV1
Photo Voltaic Panel
+18V
0V
PV panel
TITLE:
Soft Power Universal Unit
REV: 1.0
Company: DIY Solar
Sheet: 1/1
Date: 2021-01-03
Drawn By: Laszlo Lebrun
EasyEDA