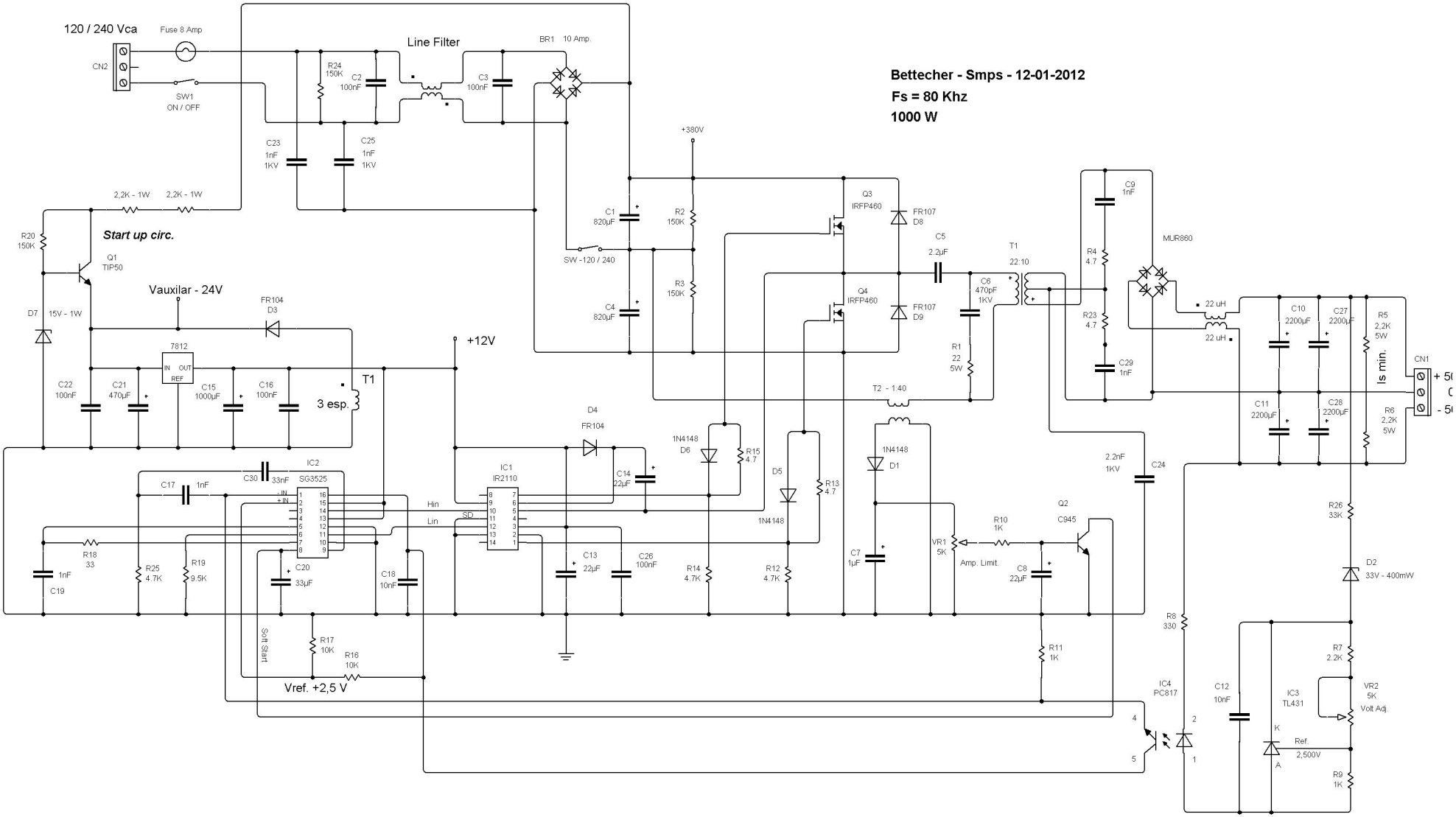
120 / 240 Vca
Fuse 8 Amp
CN2
SW1
ON / OFF
Line Filter
BR1 10 Amp.
R24
150K
C2
100nF
C3
100nF
C23
1nF
1KV
C25
1nF
1KV
Bettecher - Smps - 12-01-2012
Fs = 80 Khz
1000 W
+380V
2,2K - 1W
2,2K - 1W
Start up circ.
R20
150K
Q1
TIP50
Vauxilar - 24V
D7
15V - 1W
FR104
D3
7812
IN
OUT
REF
C22
100nF
C21
470µF
C15
1000µF
C16
100nF
T1
3 esp.
+12V
C1
820µF
R2
150K
R3
150K
C4
820µF
SW -120 / 240
Q3
IRFP460
Q4
IRFP460
FR107
D8
FR107
D9
C5
2.2µF
T1
22:10
C6
470pF
1KV
R1
22
5W
T2 - 1:40
C9
1nF
R4
4.7
R23
4.7
C29
1nF
MUR860
22 uH
22 uH
C10
2200µF
C27
2200µF
C11
2200µF
C28
2200µF
R5
2,2K
5W
R6
2,2K
5W
Is min.
CN1
+ 5(
C
- 5(
D4
FR104
IC2
C30
33nF
SG3525
- IN
+ IN
C17
1nF
IC1
IR2110
Hin
Lin
SD
C14
22µF
1N4148
D6
R15
4.7
D5
1N4148
R13
4.7
1N4148
D1
2.2nF
1KV
C24
R18
33
C19
1nF
R25
4.7K
R19
9.5K
C20
33µF
C18
10nF
C13
22µF
C26
100nF
R14
4.7K
R12
4.7K
C7
1µF
VR1
5K
Amp. Limit.
R10
1K
Q2
C945
C8
22µF
R26
33K
D2
33V - 400mW
R8
330
R11
1K
Soft Start
R17
10K
R16
10K
Vref. +2,5 V
IC4
PC817
C12
10nF
IC3
TL431
Ref.
2,500V
R7
2.2K
VR2
5K
Volt Adj.
R9
1K