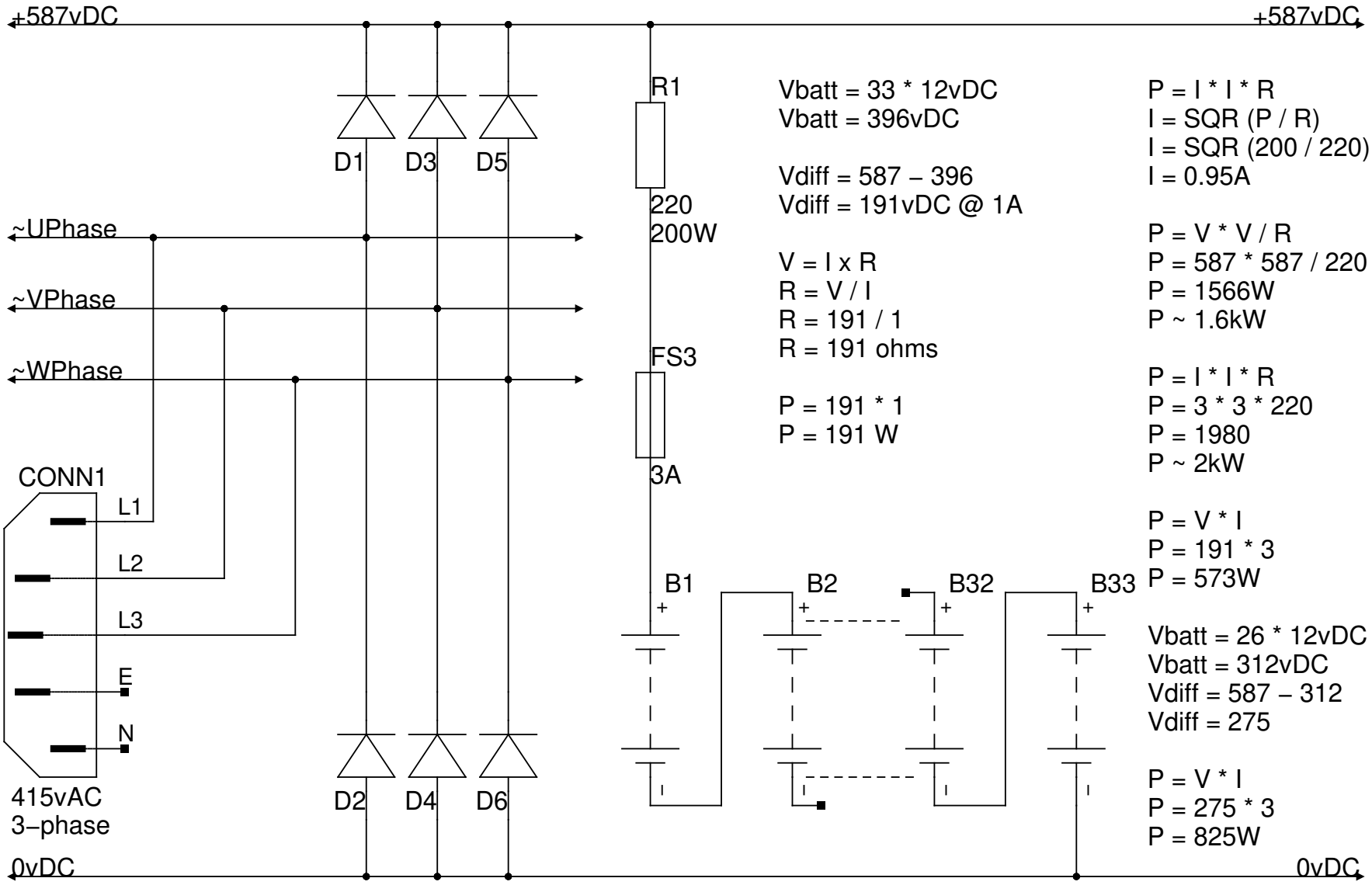

Vbatt = 33 * 12vDC
Vbatt = 396vDC

Vdiff = 587 – 396
Vdiff = 191vDC @ 1A

V = I x R
R = V / I
R = 191 / 1
R = 191 ohms

P = 191 * 1
P = 191 W

P = I * I * R
I = SQR (P / R)
I = SQR (200 / 220)
I = 0.95A

P = V * V / R
P = 587 * 587 / 220
P = 1566W
P ~ 1.6kW

P = I * I * R
P = 3 * 3 * 220
P = 1980
P ~ 2kW

P = V * I
P = 191 * 3
P = 573W

Vbatt = 26 * 12vDC
Vbatt = 312vDC
Vdiff = 587 – 312
Vdiff = 275

P = V * I
P = 275 * 3
P = 825W

TITLE: Basic 3–phase 1A charger AUTHOR: Graham North CREATED: 9–March–2019 NOTES: