Maxmum current at parallel operation

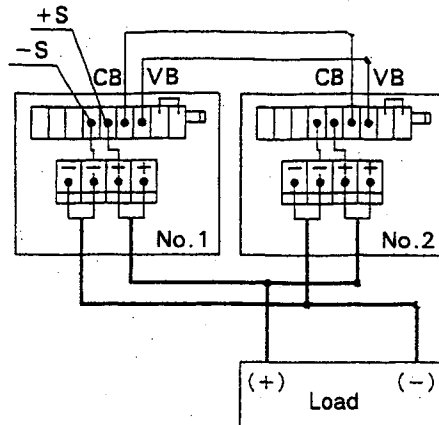Parallel operation is available by connecting the units as shown below .

figure 1 connecting method

As variance of output current drew from each power supply is maximum 10%,
the total output current must not exceed the value determined by the following
equation.

Output current at parallel operation

=   the rated current per unit   ×   number of unit   ×   0.9

Example   : PAA300F-5 , 2 pieces

Total output current at parallel operation   =   60A × 2 × 0.9 = 108A

If output current per unit is same , it is 54 A .
But it has variances .
There is a possibility for output current of one unit is 48A(-10%) and the other
unit is 60A(+10%).

CB is the current balance curcuit to operate power supply at the same current .
But it has many parts(IC,resistor,capacitor,Tr etc) and they have variances .
So ,we recommend the current at the rated current per unit × 0.9
not to be over the rated current .