Combiner Box assignment:

In groups of two, go to the MidNite Solar web site (<https://www.midnitesolar.com/>) find the documentation of combiner boxes.

Make a parts list, a drawing as per MidNite Solar schematic and calculate the breaker or fuse size of both voltage and current..

The systems available for design are the following:

Each group will pick one to complete.

3 strings of 4 - 70 cell panels of 400 – 450 Watts.

6 strings of 4 - 70 cell panels of 400 – 450 Watts.

12 strings of 4 – 70 cell panels of 400 – 450 Watts.

3 strings of 15 - 70 cell panels of 400 – 450 Watts.

6 strings of 15 - 70 cell panels of 400 – 450 Watts.

12 strings of 15 – 70 cell panels of 400 – 450 Watts.

3 strings of 4 - 60 cell panels of 400 – 450 Watts.

6 strings of 4 - 60 cell panels of 400 – 450 Watts.

12 strings of 4 – 60 cell panels of 400 – 450 Watts.

3 strings of 15 - 60 cell panels of 400 – 450 Watts.

6 strings of 15 - 60 cell panels of 400 – 450 Watts.

12 strings of 15 – 60 cell panels of 400 – 450 Watts.