Combiner Box Test.

1. What is the minimum NEMA rating for a combiner box?
   1. NEMA 3
2. Describe the basic function of a combiner box.
   1. Brings strings of PV panels together for a single string output.
   2. Provides over current protection for systems with more than two strings.
3. Why is a combiner box required when there are more than two strings of PV panels?

If a fault occurs on one string the other two strings will feed the fault with more current than the wire can handle.

1. What disconnection means are available in a combiner box?
   1. Finger pull fuses
   2. Breakers
2. What accessories can be available for a combiner box?
   1. Fuses or breakers
   2. Surge protection
   3. Strain relief connectors
3. What type of busbar is used for the negative wires of the combiner box?

Isolated busbar.

1. Are all DC breakers bidirectional?

No

1. What should happen with unused knockouts on combiner boxes?

Apply sealant to them.

1. What wires enter and leave a combiner box?
   1. PV string wires
   2. Grounding / Bonding wires
   3. Combined negative wire
   4. Combined positive wire
2. What is the purpose does the strain relief connector provide?
   1. It allows for the grouping of wires (multiple holes)
   2. It keep strain from pulling out the wires