CLAIMS:

1. An insulated busbar assembly comprising a first interconnection and insulation module disposed about a first plurality of busbar pairs, each busbar pair including first and second electrically insulated busbars with an inter-busbar gap therebetween, said first module including:

a housing comprising first and second opposed portions for accommodating the first plurality of busbar pairs therebetween;

corresponding windows formed through the opposed portions;

formations extending from interior surfaces of at least one of the opposed portions to locate and provide inter-busbar gaps for each busbar pair of the first plurality of busbar pairs between the corresponding windows; and

busbar dividers extending from internal walls of said first and second portions;

whereby passages are defined between the corresponding windows of the opposed portions via the inter-busbar gaps for insertion of an electrical interconnection member,

the insulated busbar assembly comprising:

the first interconnection and insulation module having alignment formations located around a periphery of the first module for assisting face-to-face alignment of the corresponding windows of the first module with a second module in use; and

a second plurality of busbar pairs orthogonal to the first plurality of busbar pairs and the second module, the second module including:

a housing comprising first and second opposed portions for accommodating the second plurality of busbar pairs therebetween;

corresponding windows formed through the opposed portions;

formations extending from interior surfaces of at least one of the opposed portions to locate and provide inter-busbar gaps for each busbar pair of the second plurality of busbar pairs between the corresponding windows; and

busbar dividers extending from internal walls of said first and second portions;

whereby passages are defined between the corresponding windows of the opposed portions via the inter-busbar gaps for insertion of an electrical interconnection member,

wherein the second module is disposed about the second plurality of busbar pairs wherein the corresponding windows of the first module and the corresponding windows of the second module are aligned.

2. A busbar assembly according to claim 1, wherein the corresponding windows of the first module formed through the opposed portions are in respective square arrays.

3. A busbar assembly according to claim 1 or claim 2, wherein said busbar dividers of the first module physically and electrically separate the pairs of busbars from each other.

4. A busbar assembly according to any one of claims 1 to 3, wherein the inside of the first portion of the first module is integrally formed with said busbar dividers of the first module.

5. A busbar assembly according to any one of claims 1 to 4, wherein opposed ends of the first module include unidirectional mating formations whereby a number of modules may be interconnected end to end so that all of the number of modules are orientated in the same direction.

6. A busbar assembly according to any one of claims 1 to 5, wherein the formations for locating the busbar pairs include a number of separators which extend from one or more internal walls of the housing of the first module and which penetrate the inter-busbar gap between pairs of the busbars.

7. A busbar assembly according to any one of claims 1 to 6 including an endplate mounted across one end of the housing of the first module.

8. A busbar assembly according to claim 1 including one or more interconnection bolts disposed through respective of the aligned windows thereby interconnecting

busbars of the first plurality of busbars with busbars of the second plurality of busbars.

9. An assembly according to any one of the preceding claims, wherein each of the plurality of busbar pairs of the first and second busbars pairs are contiguously covered by modules according to any one of claims 1 to 7.