**Claims**

1. A photovoltaic module comprising:

first and second substrates configured to be optically transparent; and

a plurality of bifacial photovoltaic cells configured to generate electricity from light received through the first and second substrates, the photovoltaic cells arranged intermediate the first and second substrates, and are configured to be spaced from one another,

wherein the second substrate has a plurality of first portions having a first reflective coating to reflect light passing through the spacings to the photovoltaic cells, and at least a plurality of second portions having an infrared radiation (IR) reflective coating to specifically reflect light of near-infrared wavelengths to the photovoltaic cells; and

wherein the plurality of first portions are arranged to correspond to the spacings.

2. The photovoltaic module of claim 1, wherein the first reflective coating includes a coating with a mixture of titanium dioxide, silicon dioxide, and zinc oxide.

3. The photovoltaic module of any preceding claim, wherein the first and second substrates are glass panels or transparent photovoltaic backsheets.

4. The photovoltaic module of any preceding claim, wherein the IR reflective coating is optically transparent.

5. The photovoltaic module of any preceding claim, wherein the plurality of second portions are arranged to substantially correspond to the photovoltaic cells.

6. The photovoltaic module of claim 1, wherein the plurality of second portions are collectively arranged to include an entire surface at one face of the second substrate.

7. The photovoltaic module of any preceding claim, wherein the first reflective coating includes at least one layer.

8. The photovoltaic module of any preceding claim, wherein the IR reflective coating includes at least one layer.

9. The photovoltaic module of any preceding claim, wherein the spacings include a mixture of cell gaps arranged to have a width of about 3 mm, and string gaps arranged to have a width of about 5 mm.

10. The photovoltaic module of any preceding claim, further comprising an encapsulant arranged to encapsulate the photovoltaic cells.

11. The photovoltaic module of any preceding claim, wherein the near-infrared wavelengths include wavelengths between 950 nm to 1200 nm.

12. A method of manufacturing a photovoltaic module having first and second substrates configured to be optically transparent and a plurality of bifacial photovoltaic cells configured to generate electricity from light received through the first and second substrates, the photovoltaic cells arranged intermediate the first and second substrates, and are configured to be spaced from one another, the method comprises:

(i) providing the first and second substrates;

(ii) providing electrical connections between the photovoltaic cells to electrically couple the photovoltaic cells together; and

(iii) encapsulating the photovoltaic cells with the first and second substrates using an encapsulant to obtain the photovoltaic module, the second substrate arranged in opposition to the first substrate,

wherein the second substrate has a plurality of first portions having a first reflective coating to reflect light passing through the spacings to the photovoltaic cells, and at least a plurality of second portions having a infrared radiation (IR) reflective coating to specifically reflect light of near-infrared wavelengths to the photovoltaic cells; and

wherein the plurality of first portions are arranged to correspond to the spacings.

13. A photovoltaic module comprising:

first and second substrates configured to be optically transparent; and

a plurality of bifacial photovoltaic cells configured to generate electricity from light received through the first and second substrates, the photovoltaic cells arranged intermediate the first and second substrates, and are configured to be spaced from one another,

wherein the second substrate has at least a plurality of portions having an infrared radiation (IR) reflective coating to specifically reflect light of near-infrared wavelengths to the photovoltaic cells.

14. The photovoltaic module of claim 13, wherein the IR reflective coating is optically transparent.