

ABSTRACT

SOLAR CELL AND PHOTOVOLTAIC MODULE

The present application discloses a solar cell and a photovoltaic module, which relates to the technical field of photovoltaics. A first surface of the solar cell has multiple first electrodes and multiple second electrodes staggered in an interdigitated pattern. Each of the multiple first electrodes has a first busbar and multiple first fingers, and each of the multiple second electrodes has a second busbar and multiple second fingers extending along the second direct. A first welding point is defined on the first busbar, and a second welding point is defined on the second busbar. The solar cell further includes multiple insulation structures configured to cover an area where the first busbar is located and/or an area where the second busbar is located. An end of each of the multiple insulation structures extends to cover ends of the multiple first fingers close to the second busbar and/or ends of the multiple second fingers close to the first busbar. A window is opened on a projection of at least one of the first busbar and the first welding point on a respective insulation structure, and/or a window is opened on a projection of at least one of the second busbar and the second welding point on the respective insulation structure, which avoids short circuit in the solar cell.

Figure 2.