

ABSTRACT

The present disclosure provides a back-contact photovoltaic module and a manufacturing method thereof. The back-contact photovoltaic module includes a glass substrate, an upper adhesive film layer, a solar cell layer, a lower adhesive film layer, and a back sheet arranged
5 in sequence from top to bottom. The solar cell layer includes back-contact solar cells, and a front surface of each of the back-contact solar cells is provided with a transparent support layer. The transparent support layer protrudes from a surface of the back-contact solar cell, and the transparent support layer covers a partial region of the front surface. According to the present disclosure, the front surface of the back-contact solar cell can be protected, and a risk
10 of scratches to the back-contact photovoltaic module can be reduced.

FIG. 5