

ABSTRACT

Provided are a solar cell module and a preparation method for a cell piece unit. The
5 solar cell module comprises at least one solar cell piece unit group, each solar cell
piece unit group comprising at least two bonded cell piece units. Each cell piece unit
comprises a front surface and a back surface, wherein the front surface is provided
with a power generation area and front main gate lines disposed at an edge of one
10 side of the power generation area, a plurality of thin gate lines are disposed on the
power generation area, and the thin gate lines are connected to the front main gate
lines; and the back surface is provided with back main gate lines and an aluminum
back field, and the front main gate lines and the back main gate lines are located on
two opposite sides of the cell piece unit. The back main gate lines of one of the cell
15 piece units are bonded and conductively connected to the front main gate lines of
another cell piece unit. The cell module does not need a plurality of traditional front
longitudinal main gate lines, and no longer needs a solder strip connecting process,
thus reducing the coverage area of main gate lines, reducing the production cost
and improving the efficiency of the solar cell module.

20 (Figure 1)