

BACK CONTACT TYPE SOLAR BATTERY CELL

ABSTRACT

The present invention provides a back contact type solar battery which provides a reduced electric power loss, free positioning of a bus bar, and a simple manufacturing process. The solar battery includes: a semiconductor substrate; a first conductivity type region formed on a back surface side located on the opposite side of an acceptance surface side of the semiconductor substrate; a second conductivity type region formed on the back surface side of the semiconductor substrate; a first conductivity type collecting electrode linearly formed on the first conductivity type region; and a second conductivity type collecting electrode linearly formed on the second conductivity type region. The first and second conductivity type regions are alternately arranged. Each of the first and second conductivity type collecting electrodes has discontinuous places. The discontinuous places of each conductivity type are substantially aligned on a straight line in an arrangement direction in which the first and second conductivity type regions are alternately arranged.

Figure 5