

The invention relates to photovoltaic panels based on direct conversion of solar energy into electrical energy by means of photovoltaic cells, and to solar technology, in particular to liquid heating devices.

The heat exchanger, according to the invention, comprises an oilcloth with a plurality of tubes (6) of polymeric material with a cold water distributor (7) and a hot water collector (8). The oilcloth (6) is placed in a paste layer (9) with high thermal conductivity in such a way that its heat-receiving surface is maximum. The layer (9) together with the oilcloth (6) form an elastic plate, and the surface line of the heat receiving plate is tangential to the tubes of the oilcloth (6). The layer (9) and the oilcloth (6) constitute a separate element.

The layer (9) can be cast on the heat-transfer surface and together with the oilcloth (6) can form a one-piece element.

Claims: 3

Fig.: 2

