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The invention relates to the solar power engineering, particularly, to the solar radiation-to-thermal energy converters.

The plant comprises a solar radiation concentrator along the focal axes of which there is placed a radiation detector in the form of a hollow triangular prism, two lateral faces of which are oriented to the reflecting surface of the concentrator, the third is perpendicular to the focal plane of the concentrator and the prism cavity is filled with a heat capacious medium into which there is placed a pipe for the heat-transfer medium, connected with its inlet and outlet to the collector.

The technical result consists in the conversion of both the direct solar radiation and reflected one by the concentrator.

Claims: 4

Fig.: 2