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The invention refers to the electrical engineering, especially to the rectifiers, and is provided for load alimentation which requires current forced limitation, for example, by an electric arc.

The polyphase rectifier contains a transformer, the secondary windings of which are connected in series with unidirectional diodes, a condenser and load. In parallel to each secondary winding with the diode connected to the open polygon it is connected a condenser and in parallel to the condensers - the load.

The technical result of the invention consists in the open-circuit voltage increasing and short-circuit current limiting.