

Artur Rojek, Marek Skrzyniarz: Energy Storage as a Device Supporting the Operation of a Traction Substation

An energy storage, which was placed in the short-circuit laboratory of the Railway Research Institute located in a traction substation in Mińsk Mazowiecki, was designed and built as part of the internal project. The following article describes the construction of the energy storage, its operating principle and conducted tests. The energy storage was tested in laboratory conditions and as a device supporting the operation of the traction substation and the section cabin.

Keywords: energy storage, electric traction supply system, energy recuperation