Three-phase inverter cabinet used in railway stations

What is multi-level inverter (MLI) in railway system?

In railway application Multi-Level Inverter (MLI) used to reduce Electro Magnetic Interference (EMI) increasing efficiency of the system. This paper discusses different inverter topologies and its applications in the railway system.

What is a multi-level inverter?

An inverter is for regenerative braking,supply auxiliary equipment as well as to control the induction motor drives in the railway system. In railway application Multi-Level Inverter (MLI) used to reduce Electro Magnetic Interference (EMI) increasing efficiency of the system.

How inverter technology can be used to develop an efficient system?

By using different types of advanced power electronic technology such as inverter we can develop an efficient system. An inverter is for regenerative braking,supply auxiliary equipment as well as to control the induction motor drives in the railway system.

How many switches are in a 3 phase inverter?

It consists of six switchesof three legs delayed with 1200,in each leg two switches are connected which complement each other like a half-bridge inverter. An output of the three phase inverter is a six-step line to line voltage with each switch can be conducted at 1200 or 1800 conduction mode.

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