Intelligent inverter cabinetized railway station

This paper proposes a novel star-connected structure of an interphase-bridging inverter (IBI) and BTB inverters. This star-connected structure leverages not only the advantage of the smaller hardware ...

The AI-driven station revolution promises to make travel more efficient, enjoyable, and sustainable for everyone.

When power generated by trains during braking cannot be fully used by other trains, S-EIV supplies the surplus power to electrical equipment in station buildings for significant energy savings.

As the successor to the conventional thyristor type traction inverter, we commercialized the traction inverter with IGBT power modules (PWM control method). It reduces occurrence of harmonics with ...

This paper discusses different inverter topologies and its applications in the railway system. Different types of multilevel inverter topologies with their advantages for reducing the number of power ...

With advanced, intelligent railway technology from Intel and our global partner ecosystem, you can guide railway companies" transformation to smart railways that help improve passenger experiences, ...

We develop tailor-made drive and control solutions for the railway technology. Our frequency in-verters for railway applications meet selected requirements of the EN50155:2017 standard.

Some operators report up to ~30% energy savings just by combining hybrid inverters with wayside storage. That"s not just greenwashing--it"s real reduction in both bills and carbon footprint.

This rugged DC/AC inverter uses field proven, microprocessor controlled high frequency PWM technology to generate the required output power with pure sine wave output voltage.

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