

## 40kW AC/DC on-board battery charging system

### Rail Industry



Maintaining the United States' rail power infrastructure demands cutting-edge engineering, something US Power Networks Services have consistently demonstrated through long-term projects with partners like SCHAEFER. There are considerable challenges in ensuring a stable power supply system to the railway as there are not only strict technical and performance requirements but also the need to conform to several international standards. Please consider some key facts of this rolling stock mounted battery charging system:

- 40kW AC/DC on-board battery charging system
- Multi input / output
- Hermetically sealed enclosure
- Controlled air management
- Self protecting, autonomous assessment of thermal and electrical parameters
- Battery charger & DC Bus supply
- Engineered for a high degree of shock & vibration
- Voltage programming feature
- Challenging environmental specification

