

# Power Supply Systems

## for Railway Passenger Cars



variable | charging | supply

Railway passenger cars do not always have their own power supply from generators or a bus-bar.

The power supply systems serve as a DC voltage supply with battery back-up. An externally supplied charging set charges the battery while the train is not in use. The consumers are supplied from the battery while the train is running.

### Features

- Underfloor box conforming to DS 961
- Gas-tight partition between battery and electronics
- Telescopic runners for battery removal
- DC voltage outlets can be configured to customer specifications
- Total discharge monitor

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## Technical Data

Nominal Input Voltage	230 / 400 V 3 AC + N, 16 ... 60 Hz sine
Input Voltage Range	$U_{LN}$ = 184 ... 253 V AC Phase – Neutral Line
Output Voltage	24 V DC
Battery Capacity	150 ... 180 Ah
Charging Current	30 A
Dimension :	W = 1050 mm, H = 370 mm, D = 600 mm