



EST: 1995
EMPLOYEE OWNED

PORTABLE TRAIN FLEET BATTERY CHARGER

FOR CLASSES:
150 | 166 | 170

**DESIGNED FOR
OUTSTATION USE!**

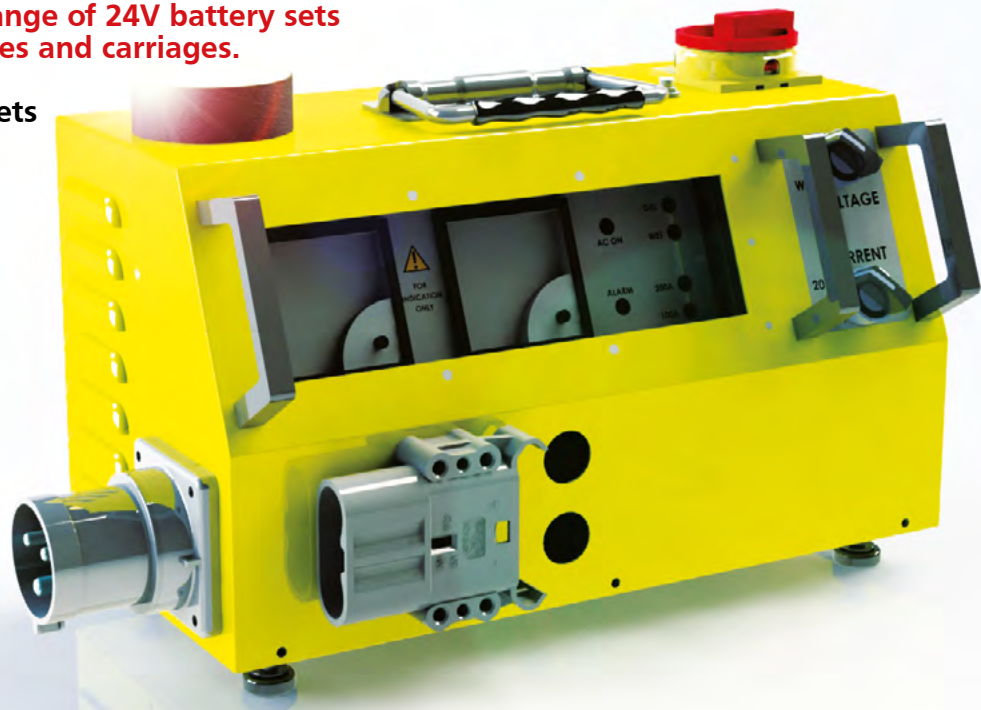
29V Portable Rail Charger
50A and 100A



**Battery charger for use on a wide range of 24V battery sets
for passenger and freight locomotives and carriages.**

- Suitable for maintaining battery sets for starters and auxiliary systems.
- Selector switch for either Wet or Gel type batteries
- Selector switch for different output currents
- Digital meters
- Indicator Beacon
- Standard panel mount AC input connector
- Heavy duty DC output connector
- Safety features built in

CODE: 800-BATT07



TECHNICAL DATA

29V Portable Rail Charger – 50A and 100A

INPUT

Voltage : 230VAC (90-264) Single Phase or
415VAC 3PH (option)
Current : 14.5A @ 230VAC
Frequency : 47-63Hz \pm 5%

OUTPUT

Voltage : 24V nominal
Float : 28.2V – Wet batteries
: 29.0V – Gel batteries
Current : 50A
: 100A
Regulation : \pm 1%
Efficiency : > 90% at full load
Ripple : <300mVp-p

PROTECTION

Input : Mains Isolator
: 32A MCB
Over Load Protection : 105%
Over Voltage Protection : 120% \pm 7%
Over Temperature Protection : 85 °C \pm 5 °C
Short Circuit Protection
Fan Fail Alarm

SAFETY

Selector Lockout once operational
Output will disable if disconnected

INDICATORS AND ALARMS

Alarms : Over Voltage Protection
: Over Load Protection
: Over Temperature Protection
: Fan Fail
Indicators : Beacon
: Charging
: Charged
: Alarm
: Front panel LEDs
: AC on
: Alarm
: Voltage selected
: Current Selected
: Illuminated digital meters

ENVIRONMENTAL

Cooling : Fan Cooled
Temperature : -15°C to +45°C Operational
Functional above +45°C (derate
linearly to 50% load), Shutdown
at +85°C internal
Humidity : 20-90% non-condensing
Safety : Compliance with low voltage
directive
EMC : Compliance with EMC directive

MECHANICAL

Size : 220mm x 200mm x 400mm (HxDxW)
Weight : Approx <9Kg
IP Rating : IP23
Colour : Yellow

CONNECTORS

Connections : Mains input – 5m lead with IEC plug (supplied)
: DC output – 5m lead with Anderson style adaptor (Additional)
: 100A 2 pin Stainless Steel connector with adaptor (Additional)
: 200A 3 Pin Stainless Steel connector with adaptor (Additional)

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