

Let Northwest Rail Electric help you with all your passenger railcar systems needs. Starting with power generating, hotel services, power distributing and power management, our extensive experience in passenger car systems can solve the most difficult problems. Allow us to show you how you can accomplish more with less generating and distribution capacity, saving fuel and capital.

We also excel at heating, ventilation and air conditioning systems: HVAC control systems to keep your passengers comfortable from Alaska and Canada in the winter to Arizona and Florida in the summer. In addition to temperature comfort our systems can also maintain humidity to keep your dome windows clear and provide further comfort for your passengers.

Our automation systems allow automatic transfer and control of critical systems when part of the power system shuts down.

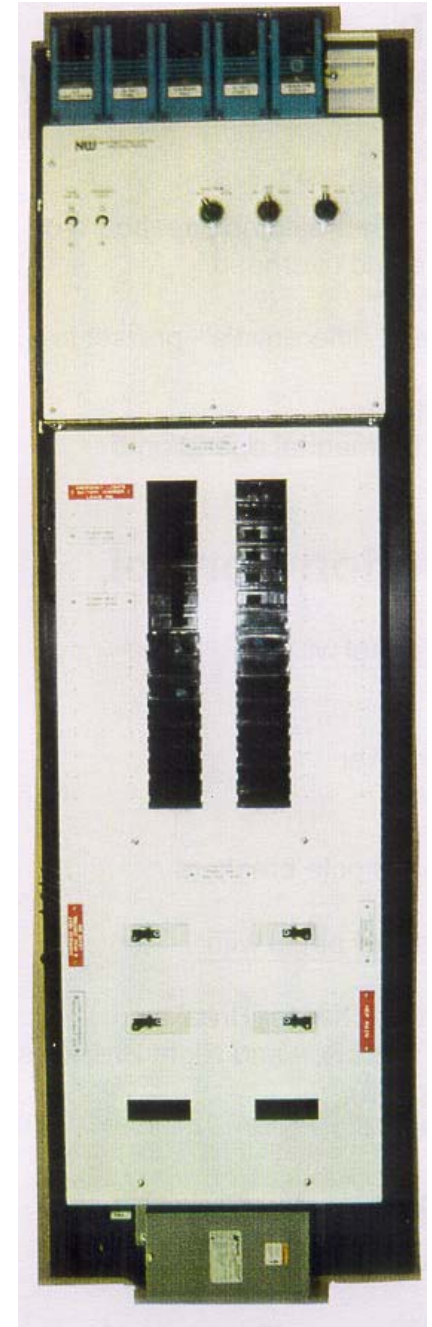
NW25-100

Passenger Car Electrical Locker Package

HVAC Control,
Power Monitor,
and
Circuit Breaker
Panels in One
Package

from

NW Northwest
Rail
Electric Inc.



NW Northwest Rail Electric Inc.
2630 SE Steele Street
Portland, Oregon 97202
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NW25-100 Standard Features:

Package size: Vertical Format (Pictured): 18" x 62", Horizontal Format: 30" x 36", Depth (panel closed): 5", backpan to face, knobs extend to 6 1/4". Minimum door opening for vertical format is 15 1/2".

HVAC Control:

Blower Control - 2 Speed. High Speed automatically turns on when air conditioning is operating to prevent evaporator freeze.
AC Control with Pump Down
3 Stage heat control for either electric baseboard or electric boiler, plus electric overhead.
Digital temperature display
Programmable offsets and differentials - pre-set to standard settings.
Remote temperature sensor
Control Switches allow for manual operation if desired.

Power Distribution Control

480 volt circuit breaker panel with:

Car Main Breaker
Lighting Transformer Breaker
Overhead Heat Breaker
Condensing Unit Breaker
Space for Two Additional 3 pole breakers

208/120 volt lighting breaker panel with:

HVAC Control and Battery Charger Breaker
30A, 3 pole Baseboard Heat Left and Right Breakers (may be left off as an option)
6 single pole lighting breakers

Emergency Lighting Control

Single zone with 20 ampere circuit

Phase and Voltage Protection

Optional NW-PC-80 Power Management System:

Additional Features Added to NW-25-100:

Control System for Multiple Power Sources:
HEP allows the HEP trainline to supply the car;
Generator allows the car generator to supply the car.
Power supplies include power available indicators.
Power rated at 80 ampere at 480 volts AC

Optional NW-PC-80F Power Management System:

Additional Function for NW-PC-80 (above):

HEP Feed, allows on-car generator to supply the car and feed trainline; Loop Control for plug protection; Dead buss protection;
Power Rated at 80 Ampere at 480 volts AC.

Optional NW-PC-80YP Power Management System:

Additional Function for NW-PC-80:

Yard Power allows car to be powered from yard power side connection;
Power rated at 80 ampere at 480 volts AC

