



START PAC

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Model 3324RR Locomotive



DESCRIPTION

This Patent Pending lightweight mobile ground power unit is designed to directly start the locomotive engine when the locomotive battery is not sufficiently charged or capable of starting the engine. The 3324RR can be manufactured with wheels or without wheels to be truck mounted. This unit is designed for locomotive engine starting only it is not designed for battery charging.

SPECIFICATIONS

The Model 3324RR GPU is a combination power supply and battery pack.

Batteries

- 26 AH (amp hours) at 10 hour rate
- 72 Volt DC-76 Volt at rest
- Sealed cell non-hazardous
- Valve regulated high amperage output lead acid
- 2300 Peak Amps

Power supply/charger

- 300 amps DC continuous output at 28.5 Volts
- Battery recharge time from fully discharged – 1 hour
- AC Input – 220 Volts only @ 35 amps

Limitations

- This unit has adequate power to start the diesel engine, but will not overcome a dead locomotive battery at the same time. In this case, disconnect the locomotive battery.

Optional

- **Emergency Disconnect-** This feature incorporates 2 heavy duty internal relays that disconnect the batteries from the power cable by pulling a red knob on the outside of the case.

The following dimensions apply to each of the 3300s:

L 38" x W 21" x H 20"/L 96.52cm x W 53.34cm x H 50.8cm; Handle Height 48"/121.92cm.

FEATURES

The GPU is rated at 2300 peak starting amps. Multi-unit chargers offer redundant field reliability. Units can be serviced in the field if needed when conducting locomotive maintenance.

Model 3324RR weighs 215 lbs. with dimensions 38"x21"x20" and is pulled by hand or by a tug. The handle is 48" high. Locking the handle in an upright position sets the brake for this railroad locomotive starter GPU.

Power cables are normally 25' but can be up to 35'. 800 amp alligator clamps can be installed if required.

PLEASE NOTE: When trying to start a locomotive with a dead battery, the battery must be disconnected (knife switch).

NOTE: Always recharge the GPU until green charger lights appear. Once charged, it is not necessary to leave the unit turned on. If a heater is installed, leave unit plugged in.

Always recharge soon after being used to prevent sulfation of the batteries.

CAUTION- When using the emergency disconnect, whether activating or deactivating, there should be no load on the Start Pac® batteries from the locomotive. Severe arcing will result which will cause damage to the relays. Therefore, only use the disconnect under normal operations while the Start Pac® is unloaded except in an emergency.

NOTE- PLEASE USE #12 or Larger AC EXTENSION CORD

Batteries have no memory effect and can be recharged at anytime. Made in the USA.

All Start Pac™ products come with a 1-year warranty on workmanship and materials. Batteries are cycle-dependent and therefore are not covered under this warranty.

Please handle this unit in a responsible manner. Start Pac™ is not responsible for damages caused by misuse or neglect.