

Portable Generator Connection Box (PGCB)



1200-3000A Portable Generator Connection Box

- UL Listed
- Permanent or Portable Generator Connection
- Simple and Clean Generator Connection
- Multiple Cable Connection Methods
- Pad Mounted
- 100A-4000 Ampere ratings available
- 120/240 Volt, 120/208 Volt, or 277/480 Volt Ratings Available

The Portable Generator Connection Box (PGCB) is a product that assists in the connection of your Portable Generator to your building. It makes the connections easy and clear to the installer and minimizes the chance of incorrect connection or incorrect phase rotation.

The PGCB comes in a Nema 3R enclosure that can be pad mounted for indoor or outdoor use. The PGCB is constructed with a Cable Termination Compartment and a separate Cable Entry Compartment. This construction allows for the Cable Termination Compartment to be closed while a portable generator is connected. Both compartments can be locked.

The PGCB comes in a variety of voltage and current ratings. It can be configured with different lug types, including barrel, crimp type lugs or color coded Cam-Type connectors for quick connection.

The bus bar system for the specified ampere rating is copper and sized based upon the 1,000 amps/square inch rule. The entire bus system is designed and tested per our UL 891 file and capable of withstanding, without damage, the mechanical and thermal stresses caused by short circuits on the bus and power terminations.

Features

- The bus system is rated for 25,000 amp short circuit
- Top/Bottom Cable Entry
- Portable Generator connection can be achieved with either a mechanical lug or Cam-Type connector
- Cam-Type connectors are front accessible and mounted using conventional hardware
- On 277/480 volt systems, color coded Cam-Type connectors are used: Phase A-Brown, Phase B-Orange, & Phase C-Yellow
- On 120/208 volt systems, color coded Cam-Type connectors are used: Phase A-Black, Phase B-Red, & Phase C-Blue
- Color coded Cam-Types connectors will be used for Neutral & Ground: Neutral-White, Ground-Green
- Nema 3R rated Outdoor Enclosure
- Removable dead front Cable Entry Compartment with integral door complete with sliding access doorstop
- Start/Stop contacts with terminal blocks



Interior of 1200-3000A Portable Generator Connection Box with Circuit Breaker Installed



200-600A PGCB in Nema 3R Enclosure



Optional Phase Rotation Meter

Optional Features

- Phase rotation Meter or Relay
- Fully Integrated TVSS (Transient Voltage Surge Suppressor)
- Cam-Type Connectors
- Terminal Blocks for Alarm
- Terminal Blocks for Water Heater
- Terminal Blocks for Battery
- Charger Circuits
- Left Side Generator connections



200-600A PGCB in Nema 3R Enclosure

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