

Power Outlet Panels



Product Overview

A power outlet panel (or POP) is a device designed for outdoor service to meet temporary power requirements at construction sites and RV parks. POPs provide a safe and reliable means for users to access electricity at such locations.

Product Description

Power outlet panels shall be designed for outdoor service to meet temporary power outlet requirements at construction sites and provide high quality, economical power to individual sites at RV parks. POPs shall be provided with means to bond the neutral for temporary service entrance applications. RV panels shall have a factory-installed insulated neutral bar.

Receptacles and Circuit Protection

Circuit protection shall be Eaton’s UL listed full-size Type BR or half-size Type BD circuit breakers. The receptacles shall be NEMA commercial/industrial grade devices. Ground fault protection (GFCB) shall be provided at the 20 A duplex NEMA 5-20R receptacle or 20 A single-pole circuit breaker when required. Ground fault protection shall be provided at the circuit breaker for receptacles above 20 A when required.

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Construction

The power outlet panel pedestal shall be of deadfront design and constructed of heavy gauge, 100 percent galvanized steel. Baked-on polyester powder coating shall be used for excellent mechanical strength, plus resistance to chalking caused by the sun’s ultraviolet rays. The power outlet panel surface and pedestal units shall have NEMA Type 3R rainproof enclosures.

Ease of Installation

Panels shall ship from the factory completely assembled, prewired with aluminum wire, and tested in accordance with UL Standard 231. The door shall swing up and open for user convenience and ease of access to breakers and receptacles. When required, a means for securing the door in the open position shall be provided. Panels shall be bottom fed through knockouts in endwall or top fed using a bolt-on raintight hub. Knockouts shall range from 1/2-inch (12.7 mm) to 1-1/2 inches (38.1 mm). Grounding provisions (#4–14 Cu/Al) shall be provided on all panels.

Application Description

POPs are also sometimes called temporary power panels, temporary site service equipment or RV panels.

Construction Site Application

When POPs are used at a construction site, they are installed on a temporary basis until permanent electrical power is available at the building. The most common reason for needing a POP at a construction site is to provide a power source for the contractor's tools.



Construction Site Application

RV Park Applications

When POPs are used at an RV park, they are installed for more permanent use and serve the purpose of providing power to the recreational vehicles. Many RV parks now supply customers with amenities such as lighted POPs with TV and telephone jacks.



RV Park Application

Service Applications

Suitable for use as temporary Service Entrance Equipment, temporary power service equipment and recreational vehicle site supply.

Features and Benefits

- Designed for outdoor service to meet power outlet requirements
- Receptacles conform to NEMA and/or ANSI configurations as specified by the National Electrical Code® (NEC)
- Includes a factory-installed insulated neutral bar with provisions for bonding when used for temporary service entrance applications
- 125 A rated meter socket
- Temporary power and RV park POPs are CSA listed. Compact POP and single receptacle devices are not CSA listed

Designed for Easy Installation and Protection

- Panels come from the factory completely assembled, prewired with aluminum wire and tested... ready for easy installation
- Door swings up and open for user convenience and ease of access to breakers and receptacles
- Panels can be bottom fed through knockouts in the endwall or top fed using a bolt-on raintight hub
- Two-piece deadfront cover allows field wiring without interfering with factory wiring
- Lower deadfront cover permits easy field wiring to circuit protective devices
- Available GFI (ground fault interrupter) single- and two-pole protection through 50 A

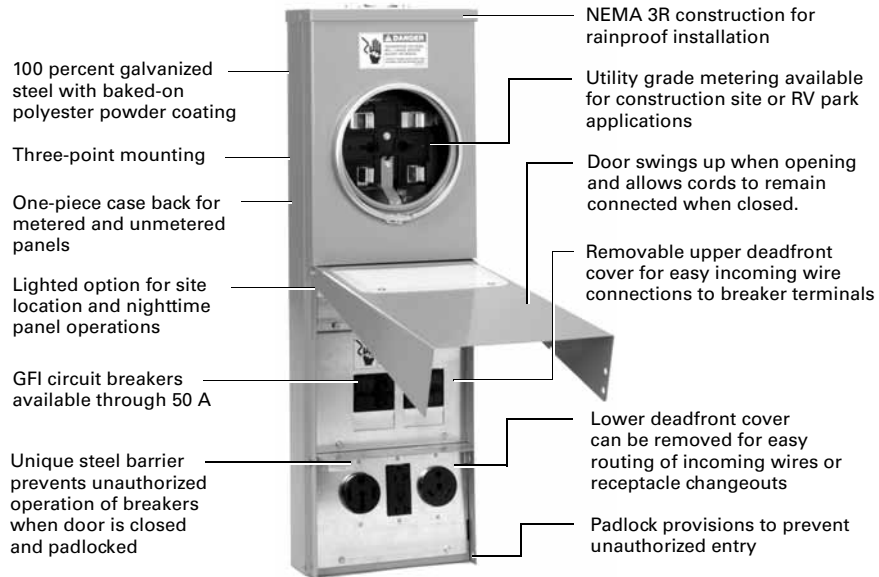
Two Styles to Meet Your Power Outlet Needs

- **Surface mount:** User mounts unit to a post
- **Pedestal mount:** User mounts with an underground pedestal extension or pad-mounting bracket. (Underground pedestal extension and pad-mounting bracket are sold separately. See accessories **Page V1-T5-7** for part numbers and options)



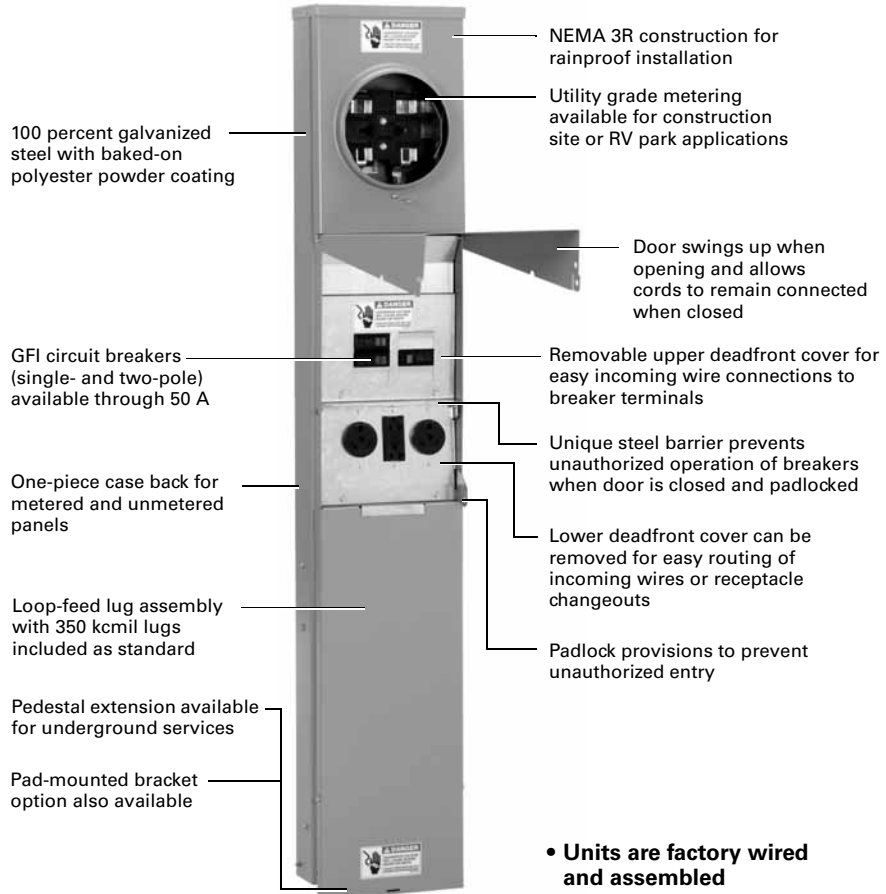
Compact Design Available in Certain Configurations for Added Convenience

Surface Units



- **Metered units available with meter on top or on bottom**
- **Units are factory wired and assembled**

Pedestal Units



- **Units are factory wired and assembled**

Standards and Certifications

- UL Standard 231
- UL File Number E163588

Receptacles conform to NEMA and/or ANSI configurations as specified by the NEC.

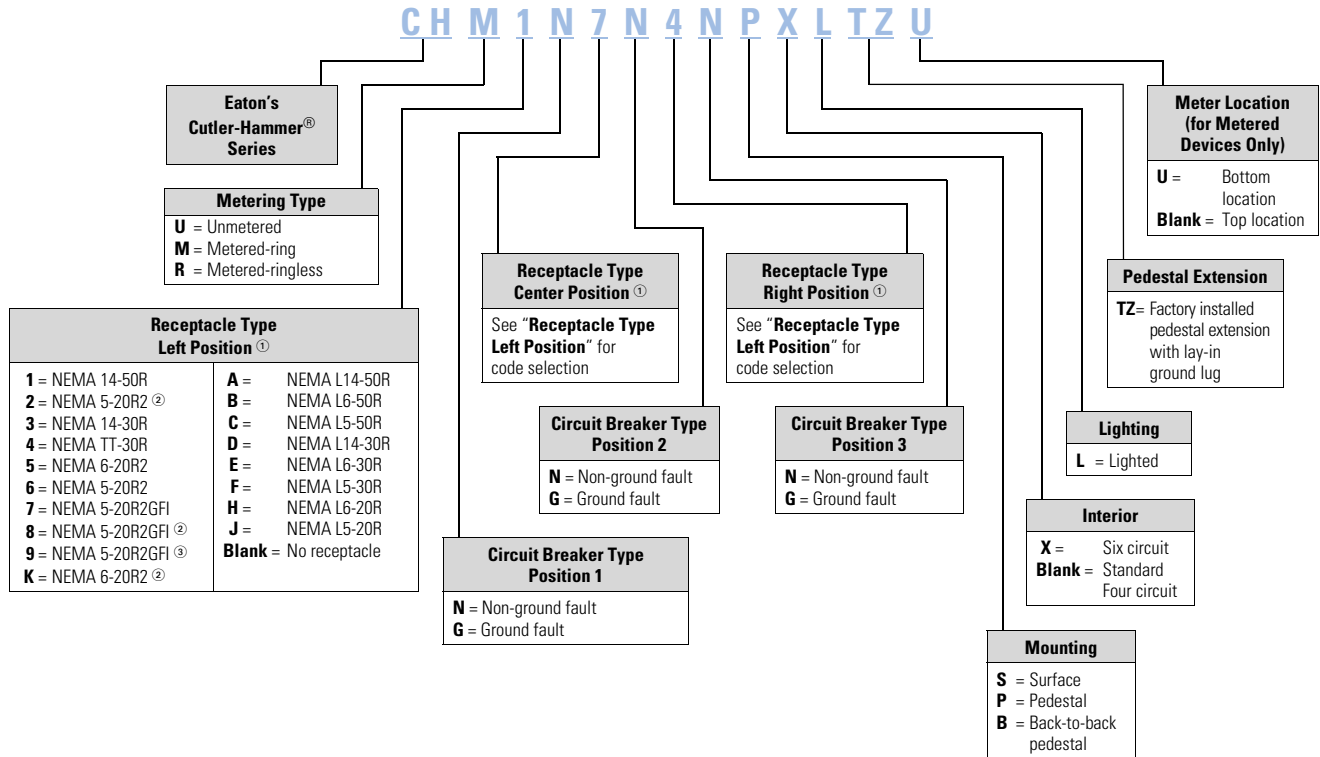
Standard Compliance

All power outlet panels for temporary construction site power and RV (recreational vehicle) application shall be UL listed for the U.S. per UL Standard 231, File E163588. Receptacles shall conform to NEMA and/or ANSI configurations as specified by the National Electrical Code (NEC).



Catalog Number Selection











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Notes

- ① For receptacle configurations, see **table below**.
- ② Weather-resistant.
- ③ Weather-resistant/tamper resistant.

Receptacle Configuration

1  50 A, 125/250 V, three-pole, four-wire, NEMA 14-50R Two-pole, 50 A breaker	4  30 A, 125 V, two-pole, three-wire, NEMA TT-30R Single-pole, 30 A breaker	7  20 A, 125 V, two-pole, three-wire, NEMA 5-20R2GFI Single-pole, 20 A breaker
2  20 A, 125 V, two-pole, three-wire, weather-resistant (WR), NEMA 5-20R2 Single-pole, 20 A breaker	5  20 A, 250 V, two-pole, three-wire, NEMA 6-20R2 Two-pole, 20 A breaker	8  20 A, 125 V, two-pole, three-wire, weather-resistant (WR), NEMA 5-20R2GFI
3  30 A, 125/250 V, three-pole, four-wire, NEMA 14-30R Two-pole, 30 A breaker	6  20 A, 125 V, two-pole, three-wire, NEMA 5-20R2 Single-pole, 20 A breaker	9  20 A, 125 V, two-pole, three-wire, weather-resistant/tamper-resistant (WR TR), NEMA 5-20R2GFI
		K  20 A, 250 V, two-pole, three-wire, weather-resistant (WR), NEMA 6-20R2 Two-pole, 20 A breaker

Twist-Lock and Custom Receptacle/Breaker Combinations

A  50 A, 125/250 V, three-pole, three-wire, NEMA L14-50R Two-pole, 50 A breaker	D  30 A, 125/250 V, three-pole, four-wire, NEMA L14-30R Two-pole, 30 A breaker	H  20 A, 250 V, two-pole, three-wire, NEMA L6-20R Two-pole, 20 A breaker
B  50 A, 250 V, two-pole, three-wire, NEMA L6-50R Two-pole, 50 A breaker	E  30 A, 250 V, two-pole, three-wire, NEMA L6-30R Two-pole, 30 A breaker	J  20 A, 125 V, two-pole, three-wire, NEMA L5-20R Single-pole, 20 A breaker
C  50 A, 125 V, two-pole, three-wire, NEMA L5-50R Single-pole, 50 A breaker	F  30 A, 125 V, two-pole, three-wire, NEMA L5-30R Single-pole, 30 A breaker	

Surface Type

Ampere Series	Receptacle Description			Breaker Description			Catalog Number	
	Position	Left	Center	Right	1st	2nd		3rd
Single Receptacle CHU4S								
Unmetered Single Receptacle								
50	—	14-50R	—	—	No breaker	No breaker	No breaker	CHU1S
30	—	14-30 R	—	—	No breaker	No breaker	No breaker	CHU3S
30	—	TT-30R	—	—	No breaker	No breaker	No breaker	CHU4S
20	—	6-20R2	—	—	No breaker	No breaker	No breaker	CHU5S
20	—	5-20R2	—	—	No breaker	No breaker	No breaker	CHU6S
20	—	5-20R2GFI	—	—	No breaker	No breaker	No breaker	CHU7S
Unmetered Type CHU1N7N4NS								
Unmetered								
20/20/20	5-20R2	5-20R2	6-20R2	—	GFI	GFI	GFI	CHU6G6G5GS
20/20/20	5-20R2WR	5-20R2WR	6-20R2WR	—	GFI	GFI	GFI	CHU2G2GKGS
20/20/20	5-20R2GFI	5-20R2GFI	6-20R2	—	Non-GFI	Non-GFI	Non-GFI	CHU7N7N5NS
20/20/20	5-20R2GFIWR	5-20R2GFIWR	6-20R2WR	—	Non-GFI	Non-GFI	Non-GFI	CHU8N8NKNS
20/20/20	5-20R2GFI	5-20R2GFI	6-20R2	—	Non-GFI	Non-GFI	GFI	CHU7N7N5GS
20/20/20	5-20R2GFIWR	5-20R2GFIWR	6-20R2WR	—	Non-GFI	Non-GFI	GFI	CHU8N8NKGS
50/20/30	14-50R	5-20R2GFI	TT-30R	—	Non-GFI	Non-GFI	Non-GFI	CHU1N7N4NS
50/20/30	14-50R	5-20R2GFI	6-20R	—	GFI	Non-GFI	Non-GFI	CHU1G7N7NS
50/20	14-50R	5-20RGFI	—	—	GFI	Non-GFI	—	CHU1G7NS
50/20	14-50R	5-20RGFI	—	—	Non-GFI	Non-GFI	—	CHU1N7NS
50/20/50	14-50R	5-20R2GFI	14-50R	—	Non-GFI	Non-GFI	Non-GFI	CHU1N7N1NSX ①
30/30/20	TT-30R	5-20R2GFI	TT-30R	—	Non-GFI	Non-GFI	Non-GFI	CHU4N7N4NS
20/20/20	5-20R2	5-20R2	6-20R2	—	GFI	GFI	GFI	CHU6G6G5GS60M ②
Unmetered (Compact Version)								
50	14-50R	—	—	—	Non-GFI	—	—	CHU1NS
20	5-20R2	—	—	—	Non-GFI	—	—	CHU2NS
30	TT-30R	—	—	—	GFI	—	—	CHU4GS
30/30	TT-30R	TT-30R	—	—	Non-GFI	Non-GFI	—	CHU4N4NS
30/20	TT-30R	5-20R2	—	—	Non-GFI	Non-GFI	—	CHU4N6NS
30/20	TT-30R	5-20R2GFI	—	—	Non-GFI	Non-GFI	—	CHU4N7NS
30	TT-30R	—	—	—	Non-GFI	—	—	CHU4NS
20	6-20R2	—	—	—	GFI	—	—	CHU5GS
20/20	5-20R2	5-20R2	—	—	GFI	GFI	—	CHU6G6GS
20	5-20R2	—	—	—	GFI	—	—	CHU6GS
20/20	5-20R2	5-20R2	—	—	Non-GFI	Non-GFI	—	CHU6N6NS
20	5-20R2	—	—	—	Non-GFI	—	—	CHU6NS
20/20	5-20R2GFI	5-20R2GFI	—	—	Non-GFI	Non-GFI	—	CHU7N7NS
20	5-20R2GFI	—	—	—	Non-GFI	—	—	CHU7NS

Notes

① The "X" suffix indicates that a six circuit interior is provided, instead of the standard four circuit interior.

② Includes 60 A two-pole main breaker for service disconnect ratings.

Contact your local Eaton sales office for configurations not listed.