



**mobotrex**<sup>®</sup>

MOBILITY & TRAFFIC EXPERTS

# CABINET CATALOG

109 W 55TH STREET | DAVENPORT, IA 52806 | 563-323-0009



MADE IN THE USA

# Introduction

## Experts in Traffic Solutions

MoboTrex's expertise results in the best traffic solutions for every customer, every day.

From traffic signals to pedestrian signals and traffic control cabinets to intersection control software, MoboTrex keeps a mobile population moving forward with innovative products and expert solutions, one intersection at a time.

MoboTrex is headquartered in Davenport, Iowa, with additional locations in Pflugerville, Texas; Powhatan, Virginia; and Volo, Illinois.

With extensive experience solving traffic problems across North America, our traffic control experts have the vision and engineering know-how to transform trouble spots into safe and efficient intersections.



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# Custom Cabinets >

## The MoboTrex Custom Cabinet Difference

MoboTrex cabinets can be customized to the demands of your industry, functionality, and location. Your control system will be safely protected in even the toughest environments by a MoboTrex custom cabinet.

- Fully customizable design and layout
- Total protection from environmental hazards and conditions
- Option for advanced key security system permits secure access by multiple users
- Thermostatically controlled ventilation systems specific to application
- Easy access - multiple door/panel designs available
- Industry-leading warranties, certifications, and performance



# ATC Cabinets

One of the primary design objectives with the ATC cabinet was safety, for both drivers and maintenance personnel. To that end, the cabinet has been designed to safeguard users from accidental shock hazard for components greater than 48V by utilizing touch safe components and guarding high voltage connections. Along with the standard voltage monitoring, the ATC cabinet also includes current monitoring to improve driver safety in the event of a conflict situation. The efficient use of space and advanced troubleshooting and diagnostic features make the ATC cabinet series the smart choice for the future of traffic control.

## NEMA P ATC Cabinet

- **Dimensions: 56"H x 44"W x 26"D**
- **1 Door (Optional rear door available)**
- **2 or 3 Shelves**
- **Fits standard NEMA P base. NEMA versions also available in G, M, and R sizes.**
- **Key Feature: Realize the benefits of the ATC series in a familiar, classic cabinet form factor. MoboTrex can match your existing cabinet and controller style with all the advanced features offered by ATC.**



## NEMA M36 ATC Cabinet



- **Dimensions: 63"H x 36"W x 19"D**
- **1 Door**
- **2 Shelves**
- **Key Feature: Can be pole or base mounted. ATC cabinet features in a familiar style cabinet.**

## 350 ATC Cabinet

- Dimensions: 67"H x 44.5"W x 26"D
- 4 Doors
- 2 - 19" Equipment Racks
- Fits standard NEMA P base
- Optional 5th Door for Communication Compartment
- Key Feature: Second Rack for BBS, Communication, Fiber, and other applications that may have previously required a separate cabinet



## 352 ATC Cabinet

- Dimensions: 67"H x 24"W x 30"D
- 2 Doors
- 19" Equipment Rack
- Key Feature: Up to 12U of open rack space for additional equipment



## 353 ATC Cabinet

- Dimensions: 54"H x 44"W x 26"D
- 4 Doors
- 2 - 19" Equipment Rack
- Fits standard NEMA P base
- Key Feature: Shorter version of the 350 ATC Cabinet for any height-restricted applications



## 356 ATC Cabinet

- Dimensions: 46"H x 24"W x 22"D
- 2 Doors
- 19" Equipment Rack
- Key Feature: Fully functional 16 channel cabinet designed for areas where space is at a premium



# NEMA Cabinets >

The NEMA series of cabinets feature shelf-mount components built to the popular NEMA TS1 and TS2 standards. The NEMA style utilizes shelf or wall-mounted components for the load bay, power panel, detector panel, and detector rack. The front door features a weatherproof compartment for police access on the outside of the cabinet, and technician test switches on the inside of the cabinet. These cabinets can be built with a single door, or with front and rear doors. MoboTrex has numerous options available in the NEMA style cabinets.

## Size G - EL743

- **Dimensions: 36"H x 24"W x 18"D**
- **1 Door**
- **1 Shelf**
- **Key Feature: Small cabinet designed for areas where space is at a premium. Great for mid-block crossings, HAWK signals, and flashing beacons.**



## Size G - EL760

- **Dimensions: 51"H x 24"W x 18"D**
- **1 Door**
- **2 Shelves**
- **NEMA Size 4**
- **Key Feature: Small cabinet designed for areas where space is at a premium. Extra height allows for an additional shelf.**



## Size M - EL702

- Dimensions: 51"H x 30"W x 19"D
- 1 Door
- 2 Shelves
- NEMA Size 5
- Key Feature: Great for pole mounting for simple intersections



## Size Stretch M - EL708

- Dimensions: 56"H x 30"W x 19"D
- 1 Door
- 2 Shelves
- Key Feature: Taller cabinet to fit additional equipment with the space benefits of a standard M30 width



# NEMA Cabinets

## Size M36 - EL704

- Dimensions: 51"H x 36"W x 19"D
- 1 Door
- 2 Shelves
- Key Feature: Pole mount cabinet similar to NEMA Size 5 with additional width to utilize 16-channel terminal facilities



## Size Stretch M36 - EL709

- Dimensions: 63"H x 36"W x 19"D
- 1 Door
- 2 Shelves
- Key Feature: Taller cabinet to fit additional equipment. M36 cabinets can accommodate a 16-channel load bay, fitting a lot of functionality in a smaller package.





## Size P - EL712

- Dimensions: 56"H x 44"W x 26"D
- 1 Door
- 2 Shelves
- NEMA Size 6
- Key Feature: Our most popular model, a versatile cabinet that can accommodate a wide range of equipment



## Size Stretch P - ELS1008

- Dimensions: 67"H x 44"W x 26"D
- 1 Door
- 3 Shelves
- Key Feature: Taller cabinet to fit additional equipment without going to the size R



## Size Stretch P Two Compartment

- Dimensions: 67"H x 44"W x 26"D
- 2 Front Doors
- 2 Shelves
- Key Feature: Separate compartment for additional agency use. Typically used for ITS, Transit, IT, or other agencies that do not need access to the traffic equipment in the lower compartment.



## Size Super P - ELS1014



- Dimensions: 57"H x 58"W x 26"D
- 2 Doors
- 5 Shelves - two in main cabinet, three in BBS compartment
- Key Feature: P Size traffic cabinet with an additional built-in compartment for battery backup in a single cabinet shell

# NEMA Cabinets >

## Smart P - EL712DQ

- Dimensions: 56"H x 44"W x 26"D
- 2 Doors - main cabinet door and rear door for 19" rack access
- 3 Shelves - 12U 19" rack for equipment mounting
- Key Feature: 12U 19" rack with rear door access for equipment mounting - can be used for fiber, Ethernet, communications, CCTV, and more



## Stretch P Hybrid Cabinet



- Dimensions: 66"H x 44.5"W x 26"D
- 4 Doors
- 2 Racks - fits NEMA P base
- Key Feature: Utilizes the accessibility and space offered by 19" racks with the NEMA TS2 architecture like the MMU and BIUs

## Size R - EL720

- Dimensions: 77"H x 44"W x 26"D
- 1 Door
- 3 Shelves
- NEMA Size 7
- Key Feature: Tallest traffic cabinet available, additional space to fit as much equipment as possible



## Size Super R - ELS1027

- Dimensions: 71"H x 59"W x 26"D
- 2 Doors
- 7 Shelves - three in main cabinet, four in BBS compartment
- Key Feature: Even taller traffic cabinet with an additional, built-in compartment for battery backup in a single cabinet shell



# 33X Series Cabinets

The 33X Series Cabinets are built to conform to the widely-used Caltrans TEES standards. This cabinet style features a 19" rack for mounting the equipment in the cabinet. The 33X Series Cabinets utilize rack-mount equipment for the output file, input files, PDA, and other components that are mounted in the cabinet. This makes it simple to install rack mount equipment like Ethernet switches, fiber panels, shelves, and more. The cabinets all feature both front and rear doors to access both sides of the racks.

## 331L ITS Cabinet

- **Dimensions: 67"H x 24"W x 30"D**
- **1 Door**
- **19" Equipment Rack**
- **Key Feature: Ideal for ITS applications such as CCTV, fiber hubs, DMS signs, and tolling applications**



## 332L Wired Cabinet

- **Dimensions: 67"H x 24"W x 30"D**
- **2 Doors**
- **19" Equipment Rack**
- **Key Feature: Base mount cabinet with room for additional equipment. Can be upgraded to utilize up to 18 output channels.**



# 33X Series Cabinets

## 332DL Wired Cabinet

- Dimensions: 67"H x 48"W x 30"D
- 4 Doors
- 2 - 19" Equipment Racks
- Key Feature: Second Rack for BBS, Communication, Fiber, and other applications that may have previously required a separate cabinet



## 332S Wired Cabinet

- Dimensions: 77"H X 24"W X 30"D
- 2 Doors
- 19" Equipment Rack
- Key Feature: Taller version of the 332L with an additional 10" of rack space for equipment



# 33X Series Cabinets >

## 334L Wired Cabinet

- Dimensions: 67"H x 24"W x 30"D
- 2 Doors
- 19" Equipment Rack
- Key Feature: 334L Cabinets cover a wide variety of applications. The main application is for ramp metering, but 334L cabinets can be used for CCTV, fiber optic, battery backup, digital message signs and much more.



## 336L Wired Cabinet



- Dimensions: 46"H x 24"W x 20"D
- 2 Doors
- 19" Equipment Rack
- Key Feature: Fully functional 12 channel cabinet designed for areas where space is at a premium

MoboTrex ITS Cabinets are perfect for mounting any kind of ITS equipment outside of our normal traffic control cabinets.

This includes communication equipment like Ethernet switches, fiber panels, and radios, as well as CCTV and DMS equipment. We have several models for tolling and license plate recognition hardware as well. Many of our models are available with 19" rack rails for simple equipment mounting.

## EL743BR Series ITS Equipment Cabinet

- **3/16" thick 5052-H32 Aluminum Construction**
- **19" rack rails for equipment mounting**
- **Three-point latching system with #2 lock**
- **Continuously welded seams for maximum protection against contaminants**
- **Double-flanged cabinet shell for increased water protection**
- **Sun shield to help regulate cabinet and equipment temperature**
- **Side and back equipment mounting panels for additional mounting space**
- **Thermostatically controlled ventilation fan and air filter**
- **NEMA 3R rated and UL-approved design**



# BBS Cabinets

The Eagle Battery Backup Systems (BBS) Cabinets are designed to protect batteries and inverters that can keep your intersection running in the event of a power outage. Our cabinets feature an aluminum enclosure for protection from all forms of outdoor natural elements, including rain, sleet, and snow, as well as seepage and splash. The BBS cabinets include a unique front-sloped cabinet top to direct rain away from the main traffic cabinet when using side-of-cabinet (piggyback) mounting. Eagle BBS cabinets can be used with a variety of third-party BBS systems.

## BBS Cabinet

- **Double-flanged door frame**
- **NEMA 3R rated**
- **Base mount, side-of-cabinet, or pole mount available**
- **Unique lock/keying combinations**
- **Custom finish per customer requirements**
- **Welded 19" rack rails or shelving for mounting equipment**
- **Optional generator compartment for additional backup capability**
- **Key Feature: BBS Cabinets are available in multiple sizes with several different mounting options and the ability to install equipment from multiple third-party vendors**



# Flasher Cabinets >

When it comes to fire stations, school zones, and trail crossings, safety is of the utmost importance. Here at MoboTrex, we understand the value of safety. Our FC Series Flasher Cabinets offer; simple installation, reliability, low maintenance, remote monitoring and budget friendly systems.

## FC Series Flasher Cabinet

- Many applications such as school zones, trail crossings, fire stations, flooded road, etc.
- Various cabinet sizes and configurations
- Solar or AC application
- Optional lower conduit body to allow for easy cable entry
- Configurations for telespar, mast arm uprights, wood or 4" round poles
- Ventilation with air filters
- Optional adjustable cabinet shelves
- Locks - tapered #2, Best Lock, or police lock





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