



Integrated Solutions

COOPER Crouse-Hinds



MTL Integrated Solutions

MTL Integrated Solutions combine the expertise in Surge Protection and Industrial Ethernet connectivity with innovative cabinet designs to provide solutions which save our customers time and money.

- Cut the time needed to bring a new installation or site online
- Reduce the amount of site preparation work
- Complete rollouts on time and under budget

MTL can customise cabinets to meet exact requirements or alternatively design a custom tailored cabinet solution. Seamlessly integrating proven Surge Protection into any application, the MTL portfolio represents the leading edge in design.

Intelligent Traffic Systems

MTL has a complete line of cabinets for the Intelligent Traffic Control Industry. Used to house ITS application hardware these pole or pad mounted cabinets come completely ready for the equipment to be installed and turned on.

- Custom designed and integrated per specifications
- Customer configurable
- CCTV, DMS and MVDS configurations
- With or without generator transfer switch
- Aluminum, stainless steel and powder coating available



Integrated Load Centers

By the economic combination of a load transfer switch, load center and surge protection in one package, MTL solutions save time on the jobsite and space on crowded shelter walls.

- 100A or 200A service available
- Single or three phase
- Manual or automatic transfer switch
- Any size load center
- Any size surge protection
- Separate Telco boxes can be added



10 YEAR
NO FUSS SURGE GUARANTEE

Pole Mounted Cabinets

Supplied for a wide range of highway applications such as CCTV and gantry signage, MTL's pole mounted solutions can combine surge protection with ethernet connectivity to provide site ready solutions which will save installation time.

- Unlimited range of applications
- Unlimited range of sizes
- Simple pole mounted installation
- Built to meet any state or municipality specification
- Custom integrated to your specifications



Equipment Cabinets

Once integrated at the staging location these cabinets can be commissioned in hours at a site. Simply hook up the power, T-1 and coax and turn on! These cabinets are designed for infrastructure sites where a shelter is inappropriate due to size, weight or aesthetics.

- Lightweight
- Corrosion proof
- Modular
- Easily maneuverable with on site equipment
- Can be easily craned onto rooftops



Popular sizes: 147 x 182 x 264 cm to 492 x 203 x 284 cm

Power Protection and Telco Cabinets

The MTL range of power protection cabinets with integrated surge protection, load center, changeover and generator plug can be integrated with telco cabinets in many ways. For example power and telco can be mounted side by side, back to back or top and bottom.

- Configurable to meet customer requirements
- Tough and corrosion free
- Heavy duty hardware
- NEMA 3R and Telcordia GR-487-CORE compliant



Side by side



Top and bottom



Back to back



Custom Integrated Solutions

MTL offers more flexibility than other cabinet vendors. As well as providing hundreds of standard cabinet solutions, the engineering team at MTL can develop highly customised solutions for specific customer needs.

- Made to customer dimensional requirements
- Lightweight and corrosion proof
- Cabinets can be custom integrated with AC surge protection, RF surge protection, load centers, and user specified DC power supplies, UPS and batteries.



This cabinet is one example where a customer had a very restricted area to locate a cabinet. Our engineering team was able to customise a cabinet solution and still fit the required equipment into the cabinet.

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unique features and designs

- All solutions designed to minimise on-site installation time
- Widest range of high performance surge protection solutions available from one manufacturer; AC power, telco and RF surge protection can be seamlessly integrated into our cabinet solutions
- Cabinets compliant to Telcordia GR-487-CORE are available on certain models
- Modular construction facilitates multiple configurations to meet your exact needs
- All solutions are manufactured to provide decades of service life, even in the most severe climates
- Numerous optional features are available to facilitate customer configuration
- Pole and pedestal mount options
- Redundant air conditioners; causes less wear as the AC switches from one to the other
- MTL cabinet solutions are used and approved by many of the major wireless providers and many state DOT agencies

1 Year cabinet & 10 Year SURGE no fuss guarantee

In the event of any component or sub-assembly failing during the guarantee period, just call our customer service hot line, 800 835 7075 to obtain a return authorisation number and MTL will immediately ship a replacement for the defective unit free of charge*

*excludes installation labour and site preparations

Note: Uninterruptible power supplies and customer supplied equipment are covered under the original equipment manufacturers warranty.

Networks and communications protection

The use of new network technologies has revolutionized the way modern ITS operates. LAN's and WAN's provide a constant stream of information from cameras and many other sensing devices to help control traffic and provide up to date information. ITS networks are inherently more susceptible to damage from lightning and other surge events due to their outdoor locations. **MTL** provides a complete line of ruggedized network surge protection devices to protect the sensitive equipment in these harsh environments.



AC protection

Surges and spikes from nearby lightning strikes and high voltage cables can destroy or disrupt unprotected electronic equipment. These destructive forces enter mains power circuits by a variety of methods. A full range of AC surge protectors are available for site protection as well as complete facilities protection. Surge handling capabilities up to 400kA ensure that the maximum uptime is provided to ITS sites. Power Protection is fundamental - **MTL** supplies that protection



Data and signal protection

Induced surges and transient voltages can destroy or, perhaps more worryingly, render inoperative such critical devices as signal lane controls. Control systems, sensors and telecommunications equipment may be subjected to a barrage of interference and surges of energy, therefore to disregard the need for simple, effective and reliable surge protection is to compromise the reliability of these critical ITS sites. **MTL** surge protection devices provide protection specifically designed for all ITS data & signal requirements.



RF and coaxial protection

MTL has a wealth of experience in the design and manufacture of surge protection solutions for very specialized areas of application. Whether protection is required for wireless telecommunications, satellite, CCTV or general antenna protection, **MTL** can supply a superior protection device to meet your requirements. It is not just the obvious areas, such as mains power, networks and telecom systems that require protection - these specialist applications should not be overlooked.



The **MTL** Integrated Solutions range is just part of a comprehensive range of protection solutions for all your system surge protection requirements - more detailed product information in separate, comprehensive catalogues or datasheets are available from your local **MTL** Instruments office, or via our website.

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