

EMP PROTECTION

Electromagnetic Pulse Protection for the Grid



PROTECT CRITICAL ASSETS FROM DAMAGE CAUSED BY EMP HIGH VOLTAGE SPIKES

Electromagnetic Pulse (EMP), such as that produced by a vehicle-mounted EMP device, can disrupt, damage, or destroy electronics in the electric grid communication and control devices. For instance, most critical assets such as relays and communication lack protection measures for high voltage spikes. The substation control house provides some protection measures against events like lightning strikes, but an EMP event will spike 5 to 10 times greater voltages and induce localized currents beyond the capability of typical lightning countermeasures.

Doble's EMP hardened enclosures consist of integrated 19" standard racks with a system of mounting shelves and brackets that can enclose nearly any equipment. Doble EMP Protection racks can house active equipment with optical feeds or filtered communications data. Backup equipment can also be stored on site in the EMP hardened enclosure, ready for technicians to arrive and begin recovery work.

Our products are certified "Hardness Critical Items" (HCI) by Little Mountain Test Facility, a state-of-the-art test center, and U.S. Air Force Materiel Command laboratory dedicated to simulation testing of nuclear hardness, survivability, reliability, and electromagnetic compatibility of defense systems.

FEATURES

- Minimum 80 dB RF attenuation 10 MHz – 10 GHz
- Full height 270 degree swing door
- Integrated 19-inch rack with bracket or shelf mounting
- EMP level filtering
- Forced air cooling through filtered waveguide vents
- Several height and mounting options available
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BENEFITS

- Fast recovery of site after event
- Enclosures used for existing and new construction
- supports active equipment and backup equipment storage

INTERESTED IN LEARNING MORE?

Contact your local Doble Representative
or visit www.doble.com

