# Sectionalizing Cabinet



Functional Specification for SecTER Cabinets

**1.0** Scope

**1.1** This specification covers test and mechanical characteristics of Eaton's Cooper Power™ series single-phase and three-phase sectionalizing enclosures.

**2.0** Applicable Standards

**2.1** All characteristics, definitions, and terminology, except as specifically covered in this specification, shall be in accordance with the latest revision of the following standards

**2.1.1** IEEE Std C57.12.28™-2014 standard - IEEE Standard for Pad-Mounted Equipment - Enclosure Integrity

**2.1.2** IEEE Std C57.12.38™-2014 standard - IEEE Standard for Pad-Mounted-Type, Self-Cooled, Single-Phase Distribution (Parking Stands Only).

**2.1.3** IEEE Std 386™-2006 standard - IEEE Standard for Separable Insulated Connector Systems for Power Distribution Systems Above 600 V.

**3.0** Construction

**3.1** The sectionalizing enclosure must be continuous seam-welded and manufactured of 12-gauge HRPO mild steel.

**3.2** Enclosures must also be available in stainless steel and aluminum for high corrosive areas.

**3.3** All hardware must be stainless steel for corrosion resistance.

**3.4** Enclosure must be available in the colors shown below and meet the finish requirements as defined in IEEE Std. C57.12.28™-2014 standard.

**3.4.1** Munsell Green color 7GY 3.29-1.5 (standard)

**3.4.2** ANSI Grey 70

**3.4.3** Desert Tan FS-595B-33446

**3.4.4** Eagle Feather Tan FS-595-23578

**3.4.5** Tobacco Brown FS-595C-30108

**3.5** Enclosure must include a top hinged removable cover and allow one person operation. Cover must also include a wind stop to prevent accidental closing.

**3.6** Enclosure must include a deep angled recessed door with low sill for easy accessibility.

**3.7** Enclosure must include universal mounting plates painted light grey for optimum visibility of cable terminations and must accept the following:

**3.7.1** 200 A, 15,25 & 35 kV, two-, three- and four-position loadbreak junctions (enclosure size dependent).

**3.7.2** 600 A, 15/25 & 35 kV, two-, three- and four-position deadbreak junctions (enclosure size dependent).

**3.7.3** 600 A, 15, 25, & 28 kV Class loadbreak connector system (square configuration (enclosure size dependent).

**3.8** Enclosures must be available with junctions as listed in 3.8, installed.

**3.10** Enclosure must include "parking lot" parking stand design providing multiple options for parking of accessories and providing rigidity to the back of the enclosure to prevent oil-canning during operation.

**3.11** Enclosure must provide a minimum of 1 parking stand pocket per phase.
**3.12** Enclosure must include a minimum of one grounding provision per phase.
**3.13** Enclosure must include provisions for lifting.
**3.14** Enclosure must include a recessed lock pocket, padlock hasp and pentahead bolt for security.

**4.0** Dimensions
**4.1** Enclosures must be available in the following sizes:
**4.1.1** 30”H X 24”W X 22”D
**4.1.2** 30”H X 30”W X 22”D
**4.1.3** 30”H X 48”W X 22”D
**4.1.4** 30”H X 66”W X 22”D
**4.1.5** 30”H X 84”W X 22”D
**4.1.6** 30”H X 98”W X 30”D

**5.0** Optional Features
**5.1** 3/8” ground bar installed.

**6.0** Ground Sleeves
**6.1** Fiberglass ground sleeves to accommodate enclosures must be available in 18” and 30” heights.

**7.0** Base Extensions
**7.1** Steel base extensions to accommodate enclosures must be available in 18” and 24” heights.

**8.0** Approved Manufacturers
**8.1** Eaton’s Cooper Power series