

VariSTAR HC station class
surge arresters

COOPER POWER
SERIES



Protection and high cantilever strength for substation application requirements

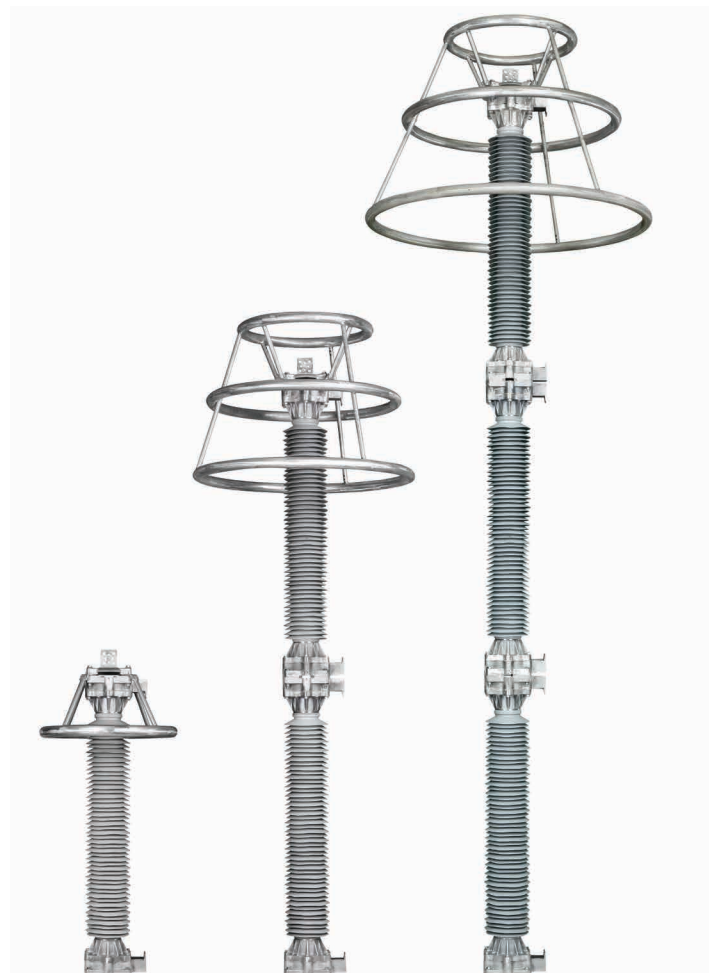
Eaton's Cooper Power™ series VariSTAR™ HC station class surge arresters

Eaton has set a new standard of excellence for UltraSIL™ silicone rubber-housed hollow core station-class surge arresters. Eaton's Cooper Power™ series VariSTAR™ HC hollow core design provides the perfect choice when both high mechanical strength and excellent overvoltage protection are required.

Eaton's new VariSTAR™ HC hollow core arresters have been tested to meet and exceed the demanding requirements of IEEE Std C62.11™-2012. In addition, they have been tested to meet IEEE Std 693 high seismic zone construction requirements.

The superior performance of the UltraSIL silicone rubber housing, is field-proven under the most demanding conditions. The unique high creep alternating shed profile has been designed to withstand the most extreme environmental conditions.

VariSTAR HC hollow core station class arresters have been designed with advanced features to meet the demands of substation applications.



EATON

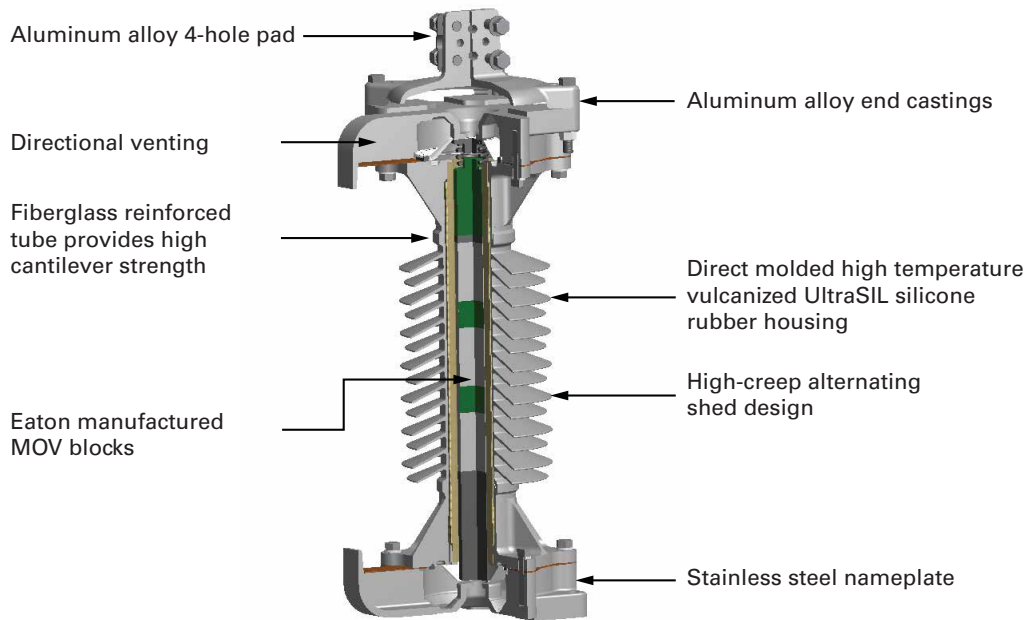
Powering Business Worldwide

Outstanding cantilever strength

The innovative new hollow core design incorporates the strength of porcelain arresters in a new lightweight polymer design, including a reinforced polymer tube that is incredibly strong and robust. This reinforced tube creates a superior strength that delivers not only the cantilever you need, but also provides the containment necessary if an end-of-life event occurs. The hollow core has the strength with the advantages of our UltraSIL polymer housing, in a package that is less than half the weight of a porcelain arrester.

Directional venting

The hollow core design incorporates directional venting which allows utilities to locate the arrester where it will maximize its effectiveness, while protecting their valuable assets if an end-of-life event occurs.



Energy ratings

The hollow core arresters come in two models:

- **UHAF** model Class E rated disks (9 kJ/kV) of MCOV up to a 288 kV arrester
- **UXLG** model Class H rated disks (15 kJ/kV) of MCOV that has ratings to 396 kV

Arrester characteristic rating	UHAF	UXLG
Arrester voltage ratings (kV)	3-288	3-396
Double impulse discharge energy rating MCOV*	9 kJ/kV	15 kJ/kV
System frequency (Hz)	50/60	50/60
Impulse classifying current (kA)	10	10
High current withstand** (kA)	100	100
Pressure relief rating (kA rms sym.)	63	63
Cantilever strength (in-lbs)		
Ultimate cantilever strength (in-lbs)	120,000	180,000
Static cantilever strength*** (in-lbs)	48,000	72,000

* Energy levels per IEEE Std C62.11™-2012 standard

** High current, short duration withstand (100 kA, 4/10 μs)

*** Maximum design cantilever load — static or maximum working load is 40% of the ultimate.

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