

## XB and XV Supercapacitor



# Now - 20-Year Eaton supercapacitors enable high reliability applications



XB family

**300 and 400 Farad XB and XV family supercapacitors deliver reliability with the longest life available for high power supercapacitors.**

### High capacitance

300 F and 400 F versions for both the XB and XV family provides long term power backup and high peak current capability. Slower aging enables longer service life, operation at higher temperatures, or lower initial capacitance than competitors.

### Ultra-low Equivalent Series Resistance (ESR)

Ultra-low ESR (as low as 7 m $\Omega$  for XB and 6 m $\Omega$  for XV family) increases the amount of power delivered to the load and ensures minimal voltage drop during peak current demand. And...compared to the competition, resistance increase with age is greatly reduced.



XV family

### Industrial operating temperature

The XV family's wide -40 °C to +65 °C (+85 °C with voltage derating) operating temperature range is ideal for harsh industrial environment and field-based telecom applications.

### Long operating life

With an achievable operating life of 20-years, the Eaton XB and XV family supercapacitors enable longer end-equipment service life and will not need replacing.

### Configurable for voltage or energy storage

The XB and XV family are easily configured in series and parallel to meet specific application requirements.

### Environmentally friendly

The RoHS compliant, halogen free, lead free XB and XV family contains no hazardous materials or presents any end-of-life disposal issues.

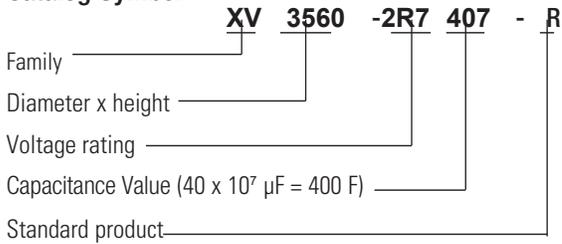
### Applications

- Power solar heliostat tracking
- Wind turbine blade pitch control
- Energy regeneration and motor start in escalators, elevators, fork lift trucks and HEVs
- Peak power: X-Ray machines
- Telecom system hold-up / UPS
- RAID Storage mains fail protection
- Extend usable battery life

# EATON

Powering Business Worldwide

## Catalog Symbol

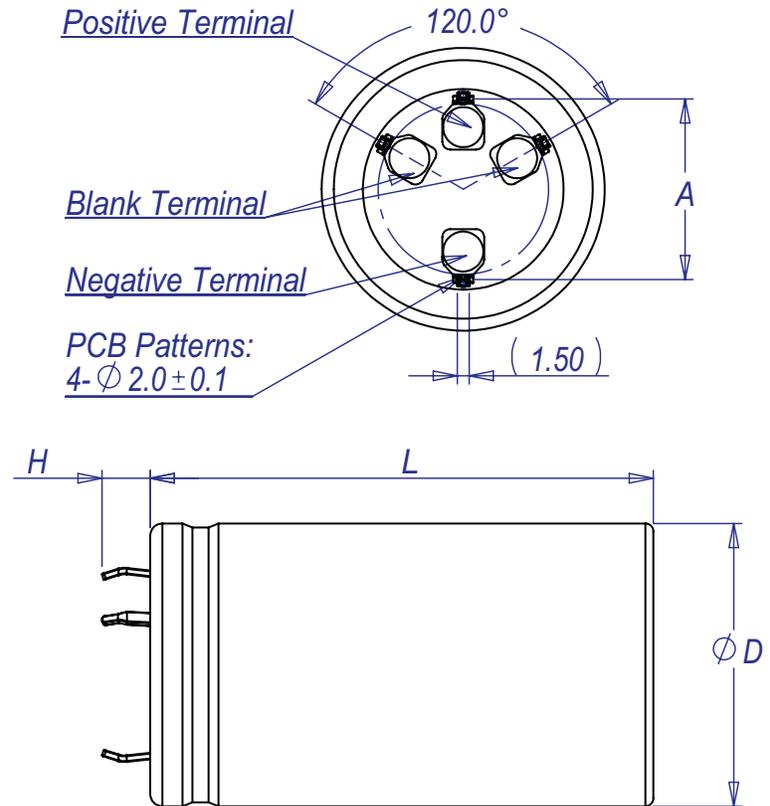


## Dimensions-mm

XB & XV family Farads	D	L	H	A
300 F	35	53.0	6	22.5
400 F	35	63.0	6	22.5
<i>Tolerances</i>		- 1.		- 0.

## Specifications

	<b>XB Family</b>	<b>XV Family</b>
Capacitance	300 F to 400 F	300 F to 400 F
Working Voltage	2.5 V	2.7 V
Surge Voltage	2.85 V	2.85 V
Capacitance Tolerance	-10% to +10%	-5% to +10%
Operating Temp Range	-25 °C to +70 °C	-40 °C to +65 °C



Snap-In Cylindrical Device

## Technical Application Assistance

E-mail [capacitortech@eaton.com](mailto:capacitortech@eaton.com)

Data Sheets: [www.eaton.com/electronics](http://www.eaton.com/electronics)

Order samples on-line: <https://tools.eatonelectronics.com/request-form>

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