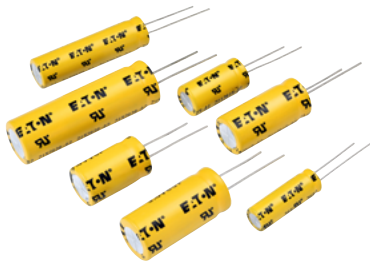


TV Supercapacitors



Eaton extends industry leading supercapacitor offering with 3V cylindrical cells



20% increased stored energy and peak power in the same package sizes.

Product description:


Product description:

Eaton's 3 volt TV supercapacitor cells provides energy storage for back up power, ride through, RF radio transmissions and other pulse power requirements.

The TV products offer a 20% increase in stored energy and peak power density by increasing the operating voltage. Usable energy can increase up to 70%.

This new technology enables higher performance servers, longer operating life or lower cost designs for many industrial electronics.

Features and benefits:

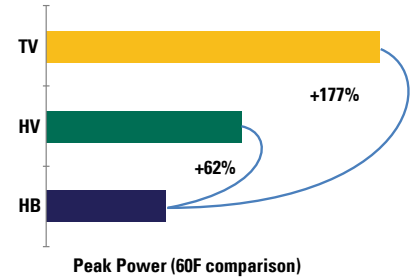
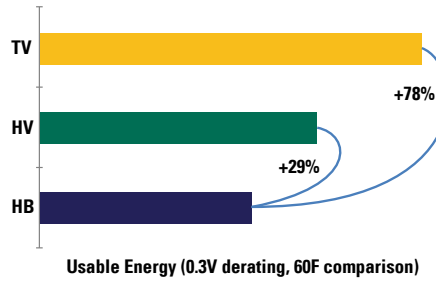
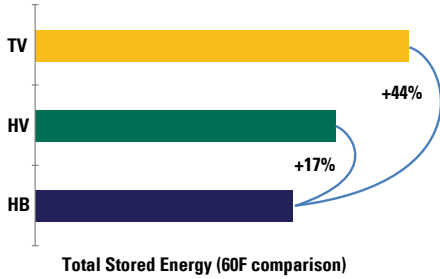
- Industry leading power and ESR in high reliability applications
- Longer life time for existing designs with no change in design
- Cost reduction and size reduction for higher voltage designs
- Maintenance free, no replacement needed
- UL recognition 

EATON

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Specifications

| Capacitance (F) | Part number | Maximum ESR (Ω) Equivalent series resistance | Nominal leakage (μ A) | Stored energy (mWh) | Peak power (W) | Pulse current (A) | Continuous current (A) | Diameter (mm) | Length (mm) |
|-----------------|-----------------|---|----------------------------|---------------------|----------------|-------------------|------------------------|---------------|-------------|
| 3 | TV0820-3R0305-R | 0.075 | 15 | 3.75 | 30 | 3.7 | 1.6 | 8.5 | 21 |
| 6 | TV1020-3R0605-R | 0.035 | 13 | 7.5 | 64 | 7.4 | 2.4 | 10.5 | 22.3 |
| 10 | TV1030-3R0106-R | 0.026 | 25 | 12.5 | 87 | 11.9 | 3.7 | 10.5 | 31.5 |
| 15 | TV1325-3R0156-R | 0.024 | 35 | 18.8 | 94 | 17 | 3.4 | 13.5 | 28.4 |
| 25 | TV1625-3R0256-R | 0.018 | 60 | 31.3 | 125 | 26 | 4.2 | 16.5 | 28.4 |
| 35 | TV1245-3R0346-R | 0.016 | 75 | 42.5 | 141 | 33 | 6.5 | 12.9 | 49 |
| 36 | TV1635-3R0356-R | 0.015 | 90 | 43.8 | 150 | 34 | 5.1 | 16.5 | 38 |
| 60 | TV1840-3R0606-R | 0.013 | 135 | 75 | 173 | 51 | 6.7 | 18.5 | 42 |
| 100 | TV1860-3R0107-R | 0.011 | 225 | 125 | 205 | 71 | 11.7 | 18.5 | 60.5 |



TV

- 3.0 V
- 3 F to 100 F
- -40 °C to +85 °C



HV

- 2.7 V
- 1 F to 100 F
- -40 °C to +85 °C



HB

- 2.5 V
- 3 F to 110 F
- -25 °C to +85 °C

For more information visit:
www.eaton.com/supercapacitors

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