



# HYBRID STORAGE CAPACITORS

## 196 HVC ENYCAP™

### Hybrid Storage 196 HVC ENYCAP™ Capacitors



#### KEY BENEFITS

- Polarized storage capacitor with high capacity and high energy density
- Alternative product to rechargeable backup batteries
- Soft and low transient voltage controlled charging characteristic
- Low profile (2.5 mm) to fit portable and compact designs
- Various layouts (flat, stacked, pins, tabs)
- Very long self-discharge time (months)
- Non-hazardous electrolyte
- RoHS-compliant

#### APPLICATIONS

- Power backup for memory controller, flash backup, RAID system, SRAM, and DRAM
- Power failure and write cache protection for enterprise SSD and HDD
- Real-time clock power source
- Burst power support for flashlights and wireless transmitters
- Backup power for industrial PCs and industrial controls
- Storage device for energy harvesting
- Emergency light and micro UPS power source

#### RESOURCES

- Datasheet: 196 HVC ENYCAP™ - [www.vishay.com/ppg?28409](http://www.vishay.com/ppg?28409)
- For technical questions contact [aluminumcaps1@vishay.com](mailto:aluminumcaps1@vishay.com)
- Material categorization: for definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)



RoHS  
COMPLIANT

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Image is not to scale

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#### FEATURES

- Polarized energy storage capacitor with high capacity and energy density
- Voltage flexibility: 1.4 V (single cell) to 2.8 V / 4.2 V / 5.6 V / 7.0 V / 8.4 V (multiple cells)
- Available in stacked through-hole (STH, radial), surface-mount flat (SMF) and lay flat configurations (LFC) with wire and connectors
- Useful life: up to 2000 h at 85 °C
- No cell balancing necessary
- Soft and low transient-voltage-controlled charging characteristic
- Non-hazardous electrolyte
- Maintenance-free, no service necessary
- Evaluation kits for engineering are available under ordering code: MAL219699001E3
- Material categorization: for definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)

RoHS  
COMPLIANT

#### APPLICATIONS

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#### MARKING

The capacitors are marked with the following information:

- Rated capacitance (in F)
- Rated voltage (in V)
- Date code
- Negative / positive terminal identification

#### PACKAGING

Supplied in ESD trays only