

# **ELECTRICAL DOUBLE LAYER ENERGY STORAGE CAPACITORS**

230 EDLC-HV ENYCAP™

# Electrical Double Layer Energy Storage Capacitors Up to 3 V Operating Voltage



### **KEY BENEFITS**

- Polarized energy storage capacitor with high capacity and high energy density
- High lifetime up to 2000 h at 85 °C
- Rated voltage: 3 V
- Rapid charge and discharge
- Available in through-hole (radial) version
- RoHS-compliant

# **APPLICATIONS**

- Power backup
- Burst power support
- Storage device for energy harvesting
- Micro UPS power source
- Energy recovery
- Smart metering
- Fault indicator

# **RESOURCES**

- Datasheet: 230 EDLC-HV www.vishay.com/doc?28450
- For technical questions contact <a href="mailto:energystorage@vishay.com">energystorage@vishay.com</a>
- Material categorization: For definitions of compliance please see www.vishav.com/doc?99912



RoHS COMPLIANT





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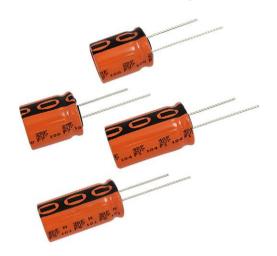


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QUICK REFERENCE DATA	
DESCRIPTION	VALUE
Nominal case sizes (Ø D x L in mm)	16 x 20; 18 x 20; 18 x 25; 16 x 31; <b>18 x 31</b> , 18 x 35, 18 x 40
Rated capacitance range, C <sub>R</sub>	20 F to 60 F
Rated voltage, U <sub>R</sub> (65 °C / 85 °C)	3.0 V / 2.6 V
Category temperature range	-40 °C to +85 °C
Endurance test at 85 °C	Up to 1500 h
Useful life at 85 °C	Up to 2000 h
Useful life at 20 °C	> 10 years
Shelf life at 20 °C	2 years
Cycle life	> 500 000 cycles

### **FEATURES**

 Polarized energy storage capacitor with high capacity and energy density



Rated voltage: 3.0 V

- Available in through-hole (radial) version
- Useful life: up to 2000 h at 85 °C
- · Rapid charge and discharge
- · Maintenance-free, no service necessary
- Material categorization: for definitions of compliance please see <a href="https://www.vishav.com/doc?99912">www.vishav.com/doc?99912</a>

### **APPLICATIONS**

- Power backup
- Burst power support
- · Storage device for energy harvesting
- Micro UPS power source
- Energy recovery

### **MARKING**

The capacitors are marked (where possible) with the following information:

- Rated capacitance (in F)
- Rated voltage (in V)
- Date code, in accordance with IEC 60062
- · Code indicating factory of origin
- Logo of manufacturer
- Negative terminal identification
- Series number (230)

### **PACKAGING**

Supplied in ESD trays.

	SELECTION CHART FOR C <sub>R</sub> , U <sub>R</sub> , AND RELEVANT NOMINAL CASE SIZES	
	C <sub>R</sub> (F)	Ø D x L (mm)
	20	16 x 20
	25	18 x 20
,	30	18 x 25
	35	16 x 31
	40	18 x 31 <sup>(1)</sup>
	50	18 x 35
	60	18 x 40

#### Note

Revision 22-Mar-18

(1) Preferred case size