

# CDE at a Glance

## Capacitors for Inverter Applications

**CDE CORNELL DUBILIER**

Your Source for Capacitor Solutions

Cornell Dubilier Electronics excels with leading edge aluminum electrolytic and film dielectric capacitors designed to solve the unique demands presented within each of the electronic stages of power inverters. Among CDE's 35,000 worldwide customers are leading manufacturers of welders, UPS systems, motor drives, medical imaging, medical lasers, semiconductor processing and inverters for distributed/renewable power.

### Type 947 C

Power Film capacitors are ideally suited for DC Link in wind, solar and fuel cell inverters. Mounted across the bus for bulk storage and filtering, they offer several advantages over screw terminal aluminum electrolytics.



- 1/3 the cost per ampere of ripple
- Voltage ratings up to 1200 Vdc eliminating the need for complex series-parallel connections
- Dry construction, no electrolyte

### Screw Terminal Capacitors

CDE is the industry's leading manufacturer of screw terminal aluminum electrolytic capacitors for inverter applications. Use our on-line Java applet tool to estimate capacitor lifetime based on operating conditions.



- DCMC Highest Capacitance
- 3186 Best Value
- 500C 95 °C, Long Life
- 3188 85 °C, Value, Long Life
- 520C 85 °C, Inverter Grade
- 550C 105 °C, Inverter Grade

### Film Capacitors for Power Electronics



CDE excels with the design and manufacture of polypropylene capacitors for DC filtering and snubber applications. Choose from standard package options or design a capacitor that meets exact application requirements.

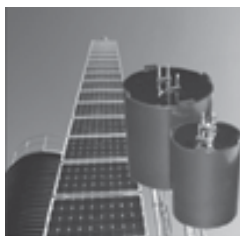
### IGBT Snubber Modules



Low inductance snubbers protect IGBT modules from overvoltage transients. Choice of three styles that mount directly to single and dual IGBT modules for maximum protection.

### Type UNL Series

This series of metallized polypropylene capacitors features voltage and RMS ripple ratings extending well beyond the best aluminum snap-in capacitors. One UNL can replace up to 3 snap-in aluminums.



- Voltage ratings up to 1500 Vdc eliminating the need for complex series-parallel connections
- Dry construction, no electrolyte

### Snap-In Aluminum Electrolytics

From 22 x 20 mm to 50 X 105 mm and 2 to 5 pin we offer the industry's widest selection of snap-ins up to 500V.



- Type SLPX 85 °C, 3000 h, low cost
- Type SLP 105 °C, 3000 h, low cost
- 25% smaller Types 380LQ & 381LQ
- 25% more ripple Type 381LR, 105 °C
- 4 & 5 pin Types 382LX and 383LX