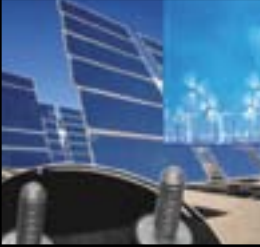


CDE at a Glance

Capacitors for Inverter Applications

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 947C - DC Link



Power Film capacitors are used for DC Link in wind, solar and HEV 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 1500 Vdc eliminating the need for series connections
- Dry construction, no electrolyte

Learn more - <http://www.cde.com/catalogs/947C.pdf>

Screw Terminal Capacitors



CDE is the industry's leading manufacturer of screw terminal aluminum electrolytic capacitors for inverter applications. Use our online 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

Learn more - http://www.cde.com/catalog/alum/#screw_terminal

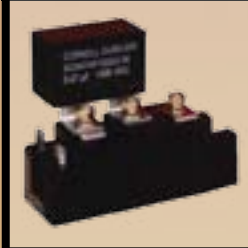
Type 944U - DC Link



Type 944U is specifically designed for use in high power DC filtering applications. High current ratings and robust mounting flanges make the 944U suited for inverter applications in electric vehicle power inverters, wind power and PV inverters.

Learn more - <http://www.cde.com/catalogs/944U.pdf>

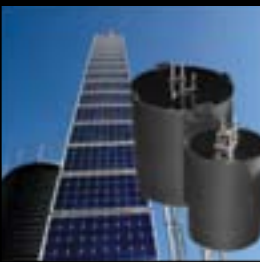
IGBT Snubber Modules



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

Learn more - <http://www.cde.com/catalog/film/#igbt>

Type UNL Series - DC Filter



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 series connections
- Dry construction, no electrolyte

Learn more - <http://www.cde.com/catalogs/UNL.pdf>

Snap-In Aluminum Electrolytics



From 22 x 20mm to 50 x 105mm 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

Learn more - <http://www.cde.com/catalog/alum/#snap-in>

CDE

**CORNELL
DUBILIER**

Capacitor Solutions for Power Electronics
www.cde.com

Contact us for your next design:

Aluminum Electrolytics -
140 Technology Place
Liberty, SC 29657
(864)843-2277, Fax (864)843-3800
Email: cdelb@cde.com

Film Capacitors-
1605 E. Rodney French Blvd.
New Bedford, MA 02744
(508)996-8561, Fax (508)996-3830
Email: cdenb@cde.com

POWER ELECTRONIC APPLICATIONS FOR CDE CAPACITORS



	ALUMINUM ELECTROLYTICS										DC FILM			MICA			OTHER TYPES			
	Screw Terminal - DCMC, 3186, 550C	Snap Mounts - 380LX, 381LX, SLP, SLPX	Strobe	Photoflash	MLP / MLS Flat.	Plug-In	Leaded	SMT	Aluminum Polymer	Non Polar	SMT	Leaded	Power - 947C, UNL	IGBT Snubbers	Dipped Leaded	Transmitting	Clad	SMT	AC Oils	SCR Commutation
RENEWABLE ENERGY																				
Fuel Cell	◆	◆									◆	◆	◆							
Wind Power	◆	◆									◆	◆	◆							
Photovoltaic	◆	◆									◆	◆	◆							
MEDICAL																				
Laser	◆	◆									◆	◆	◆	◆						
MRI Gradient Amplifier	◆	◆									◆	◆	◆	◆						
Xray	◆	◆									◆	◆	◆							
ELECTRIC VEHICLES																				
Train Inverter	◆										◆	◆	◆							
Train Door Opener	◆										◆	◆	◆							
Electric Scooters	◆											◆								
Electric Cars						◆	◆					◆								
Military Truck and Tanks	◆	◆			◆						◆	◆	◆							
POWER SUPPLIES & HOLDUP																				
UPS	◆	◆				◆					◆	◆	◆	◆					◆	
SMPS		◆					◆				◆	◆								
Flywheel Storage	◆	◆									◆	◆	◆							
Battery Chargers	◆																		◆	
INDUSTRIAL EQUIPMENT																				
Welding	◆	◆									◆	◆	◆						◆	
Laser torch	◆	◆									◆	◆	◆							
Semiconductor Processing	◆	◆									◆	◆	◆							
CNC Machines	◆	◆									◆	◆	◆							
Electric Cranes	◆	◆									◆	◆	◆							
Conveyors	◆	◆									◆	◆	◆							
Plasma Gas Generators	◆	◆									◆	◆	◆						◆	
HVAC (AIR HANDLING)																				
Rooftop Air Conditioners	◆										◆	◆	◆						◆	
Train & Bus Air Conditioners	◆	◆									◆	◆	◆							
MOTION CONTROL																				
Elevator Drives	◆	◆									◆	◆	◆							
CNC	◆										◆	◆	◆							
Motor Drives	◆	◆									◆	◆	◆							◆

CDE **CORNELL DUBILIER**
 Capacitor Solutions for Power Electronics
www.cde.com

Contact us for your next design:
 Aluminum Electrolytics -
 140 Technology Place
 Liberty, SC 29657
 (864) 843-2277, Fax (864) 843-3800
 E-mail: cdelb@cde.com

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