



CD Aero

A Division of Cornell Dubilier Electronics, Inc.

UPS Capacitors



High reliability for essential functions

CD-Aero's line of UPS capacitors are constructed with metalized polypropylene film technology using the latest design techniques and testing methods to assure high quality and long life.

Reliability essential to UPS systems is accomplished by CD-Aero's unique testing protocol. After the standard final electrical test, a high voltage five-minute burn-in/aging test is performed on all UPS capacitors, followed by five high current discharge pulses. Developed specifically for UPS capacitors, this testing protocol effectively screens out the potential for infantile or early life failures, which must be avoided in any type of UPS application.

Applications

UPS Systems for:

- Data centers
- High density power zones
- Buildings and critical industrial processes
- Other industrial or facility applications

Highlights

- Made to EIA-456-A standards
- Round or oval, oil-filled aluminum cases
- Long life
- Non-toxic
- Maintenance free
- UL-810 fault current protection
- Proprietary pressure sensitive interrupter system
- Ratings available with discharge resistors and mounting studs
- RoHS compliant



Specifications

Capacitance Range:

10 µF to 120 µF

Capacitance Tolerance:

±6% standard; ±3% or +5/-1%
for some ratings

AC Voltage Range:

240 VAC to 660 VAC

Temperature Range:

-40°C to +70°C standard

Approval Certification:

UL, cUL

The life of capacitors in UPS systems is dependent on many factors. Capacitors should be replaced as part of normal UPS system preventative maintenance programs, before you experience end-of-life failures. For assistance, please contact CD-Aero at 508-910-3500 or email sales1@cde.com

AC Film Capacitors for UPS Applications

Round Oil-Filled, Aluminum Case Rated

for 60,000 hour duty @ 70°C

CAP (μF)	CD-AERO P/N	BASE SIZE	CAN HEIGHT Inches
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240 VAC, 70°C Case Temperature

15	Z23S2415M50N	P	3.75
20	Z23S2420M50N	P	2.36
20	Z23S2420M50N	P	2.75
25	Z23S2425M50N	P	2.56
30	Z23S2430M50N	P	3.13
40	Z23S2440M50N	P	3.75
50	Z23S2450M50N	P	3.75
80	Z26S2480M50N	T	3.75
120	Z26S2412N50N	T	3.95

300 VAC, 70°C Case Temperature

120	Z26S3012N50N	T	4.92
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310 VAC, 70°C Case Temperature

90	Z26S3190M50N	T	4.75
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370 VAC, 70°C Case Temperature

10	Z23S3710M50N	P	2.36
60	Z26S3760M56N	T	3.75
70	Z26S3770M50N	T	4.33
75	Z26S3775M50N	T	4.75
90	Z26S3790M50N	T	4.33

440 VAC, 70°C Case Temperature

30	Z26S4430M50N	T	2.95
40	Z26S4440M50N	T	4.50
56	Z26S4456M51N	T	3.75
56	Z26S4456M50N	T	4.50

550 VAC, 70°C Case Temperature

30	Z26S5530M50N	T	3.75
92	Z26S5592MT5	T	7.50

580 VAC, 70°C Case Temperature

46	Z26S5846M50N	T	4.75
70	Z26S5870M50N	T	6.69
92	Z26S5892MT5	T	7.50

CAP (μF)	CD-AERO P/N	BASE SIZE	CAN HEIGHT Inches
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600 VAC, 70°C Case Temperature

21	Z26S6021M50N	T	3.15
25	Z26S6025M50N	T	3.31
28	Z26S6028M50N	T	3.75
30	Z26S6030M56N	T	4.75
40	Z26S6040M56N	T	4.75
45	Z26S6045M50N	T	4.75

660 VAC, 70°C Case Temperature

20	Z26S6620M50N	T	3.54
30	Z26S6630M50N	T	3.75

Oval Oil-Filled, Aluminum Case

Rated for 60,000 hour duty @ 70°C

CAP (μF)	CD-AERO P/N	BASE SIZE	CAN HEIGHT Inches
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660 VAC, 70°C Case Temperature

25	Z64S6625M50N	A	4.29
25	Z62S6625M50N	D	3.75
35	Z62S6635M50N	D	4.75
50	Z62S6650M50N	D	5.12

Round Oil-Filled Case Sizes

Base Size	Description	D Inches	D ₂ Inches
P	1 3/4" Round	1.75	1.87
T	2 1/2" Round	2.50	2.62

For P" OD units, spacing is 0.78" rather than 0.81"

Oval Oil-Filled Case Sizes

Base Size	Description	L Inches	W Inches
A	1 1/4" Oval	2.16	1.31
D	2" Oval	3.66	1.97

M50N = Standard

M5IN = Discharge Resistor

M56N = Case Mounting Stud