

## DMS series Energy storage and DC filtering Applications



### FEATURES

- Dry type structure
- High over-voltage and over-current
- Low ESL/ ESR
- Self-healing
- Transition metal layer
- Metal shell(aluminum or stainless steel)

### APPLICATIONS

- Solar / Wind power
- SVG / HV power supply
- Flexible AC/DC inverter system
- Motor drive/ Frequency converter

### DMS SERIES METAL SHELL DC CAPACITOR

DMS is a custom series for DC link and DC filtering applications for commercial and military inverter applications. CABO uses the most advanced metallized film technology for long life and high reliability in DC Link applications. This series combines high capacitance and very high ripple current capability needed for today's inverter designs for wind, solar, fuel cells, UPS systems and more. With low inductance, high voltage terminations and ultra-high ripple current capability that meet your specific application requirements.

### ■ ELECTRICAL CHARACTERISTICS

Capacitance Range:	100~30,000 $\mu$ F
Operating Temperature:	-40 $^{\circ}$ C~+85 $^{\circ}$ C (case)
Capacitance Tolerance:	$\pm$ 5%(J); $\pm$ 10% (K)
Rated Voltage ( $U_n$ ):	600~20,000V <sub>dc</sub>
Test Voltage between Terminal:	1.5 $U_n$ 10s @25 $^{\circ}$ C
Test Voltage between Terminal/Case:	(1.5 $U_n$ +1000)V <sub>ac</sub> , Min. 3000V <sub>ac</sub> , for 2 s
Insulation Resistance:	R*C $\geq$ 5000S (100V <sub>dc</sub> , 60s)
Max.Altitude:	<4000m
Flame Resistance:	UL 94 V-0
Dissipation Factor:	Tg $\sigma$ $\leq$ 0.002 (10kHz, 20 $^{\circ}$ C)
Lifetime Expectancy:	$\geq$ 100,000Hours ( $U_n$ $\leq$ 70 $^{\circ}$ C)

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### COMMON DESIGN

Rated Voltage (V)	Capacitance ( $\mu\text{F}$ )	Dimensions (mm)			Weight (kg)
$U_n$	$C_n$	L	W	H	
800	1,000	145	135	155	4.8
	2,000	260	135	160	8.8
	5,000	315	135	275	18
	10,000	315	270	275	35
1200	1,200	240	135	205	10
	1,800	345	135	205	15
	3,000	345	135	310	23
	6,000	560	135	360	43
1800	1,200	370	135	270	21
	1,800	370	135	380	30
	3,000	485	175	330	44
	5,000	490	175	500	67
3300	500	295	175	310	25
	1,600	455	175	575	72
	2,100	430	235	560	89

\* CABO reserves the right to make changes without further notice to any products herein to improve reliability, function or design.

\* Other values and dimensions are available on request.

### RELATED CAPACITOR SERIES



**CABO** is a leading brand of high reliability capacitors, providing specifically designed solutions to meet the reliability needs of industrial, military, medical and specialized applications worldwide.

As a well-known brand of China, CABO capacitors are among the world's most reliable component. Focus on High-End global markets and High reliability request fields, providing customization services. With world-class design, testing and manufacturing facilities in China, enable the quick turn-around for fast and mass delivery worldwide.

Our extensive custom design and development capabilities coupled with standardized mass production capacity offerings allow us to be a competitive option for power electronics industry.