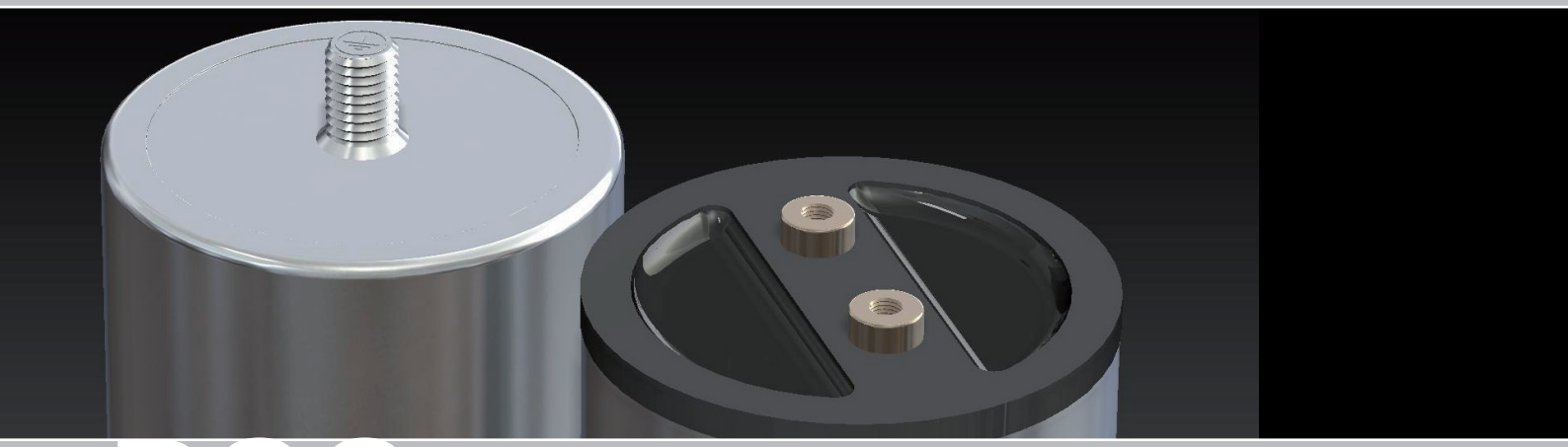
HYDRA



PQC

DC Link Capacitors

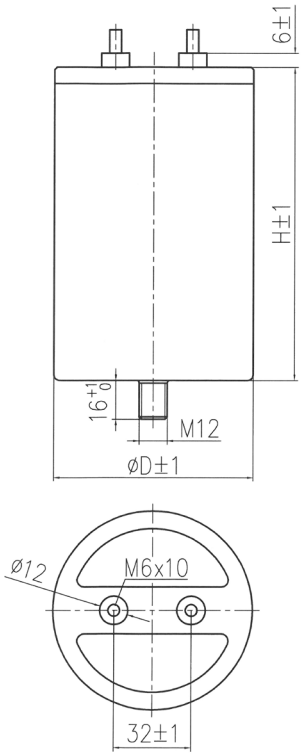
Power Quality Components

EGB DCL/EBB DCL

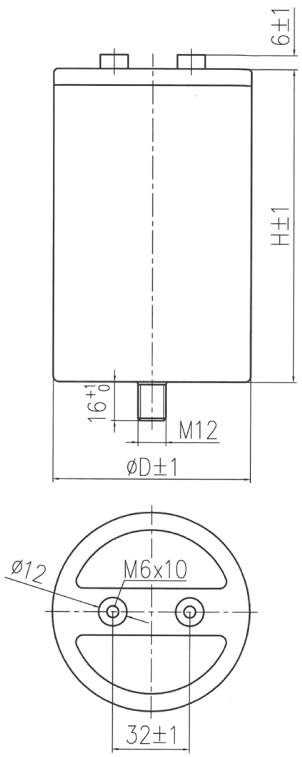
Applications
- DC-link and DC-filter in industrial inverters (windturbines, solar power, power drives)
- Replacement of aluminium electrolytic capacitors
- AC filter in UPS

Features
- High RMS current rating (ripple)
- Low self-inductance
- Dry resin filling (no leakage of electrolytes)
- No series connections for higher voltage

EBB DCL



EGB DCL



General Characteristics	
Dielectric	Metallized polypropylene
Dissipation factor (tan δo)	<2 x 10^{-4} (1kHz)
Capacitance tolerance	± 10%
Operating temperatures (case)	-25°C to 60°C
Inductance	< 60 nH
Test voltage terminal/terminal	1,5 x Udc (10 s)
Test voltage terminal/case	3600 VAC (10 s)
Life expectancy	100.000 h at Ur and < 70°C hotspot
Case material	Aluminium
Cover material	Plastic UL 94 (V-0)
Filling	Polyurethane resin
Mounting	Indoor
Standard	IEC 61071

Product Table HYDRA EGB DCL/EBB DCL

Capacitance Cn (µF)	Diameter Ø D (mm)	Height H (mm)	Max. RMS current Imax (A)	Repet. Peak current	Surge current Is (A)	Series resistance Rs (mΩ)	Weight (kg)
U = 900VDC							
220	85	70	25	2565	7695	4	0,7
350	85	100	40	2427	7280	3,1	0,7
460	85	115	50	2652	7955	2,5	1
550	85	135	60	2589	7766	2,3	1
650	85	185	60	4506	13518	2	1,3
920	85	215	60	5303	15909	1,7	1,6
1080	85	255	60	5083	15249	1,5	1,7
U = 1100VDC							
140	85	70	20	1959	5877	4,6	0,6
240	85	100	30	1997	5990	3,9	0,7
310	85	115	40	2145	6434	3,4	0,9
370	85	135	50	2090	6270	2,9	1
480	85	185	60	3993	11979	2,4	1,3
610	85	215	60	4220	12660	2,1	1,6
720	85	255	60	4067	12201	1,8	1,7
U = 1300VDC							
120	85	70	15	1924	5772	4,7	0,6
180	85	100	25	1716	5148	4,3	0,8
220	85	115	35	1744	5231	4	1
260	85	135	40	1683	5048	3,7	1,1
340	85	185	55	3241	9723	3,2	1,6
480	85	215	60	3805	11415	2,4	1,7
600	85	255	60	3883	11649	2,1	1,9
U = 1500VDC							
140	85	115	25	1312	3935	4,5	0,8
200	85	135	35	1530	4589	4,1	1,1
280	85	185	45	3154	9462	3,7	1,4
320	85	215	60	2997	8991	3,3	1,6
350	85	255	60	2677	8031	3,1	1,6

Note: Other voltages, and capacitance values are available on request

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