



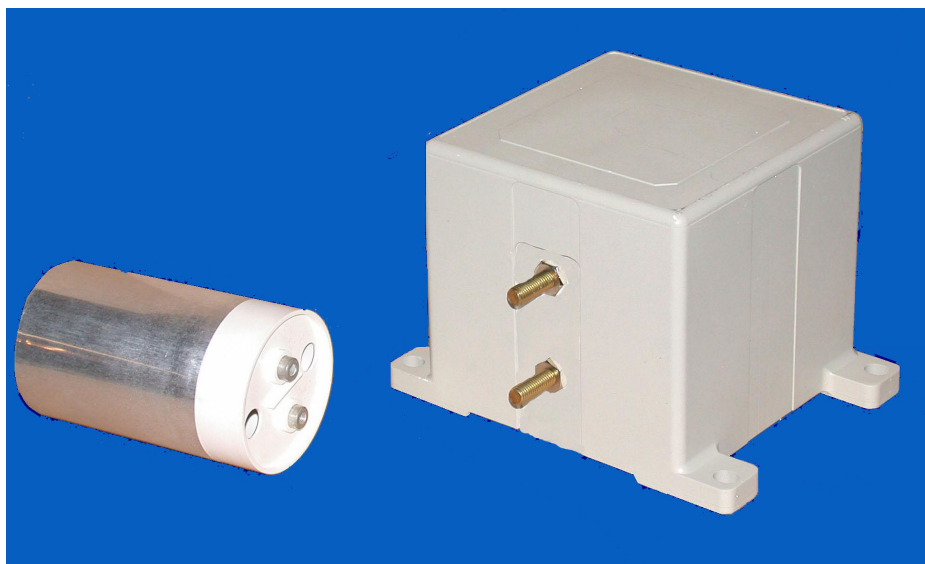
DUCATI energia s.p.a.

**Condensatori per
Elettronica di Potenza**

**Power Electronics
Capacitors**

SERIE DC 85

DC-link applications



DUCATI energia produce da oltre 80 anni condensatori all'avanguardia nei più svariati campi di applicazione, tra cui l'elettronica di potenza. Seguendo questa tradizione, i continui investimenti nella ricerca e sviluppo di nuovi prodotti rappresentano il fulcro della politica aziendale.

Da questa filosofia nasce la nuova linea di condensatori **DC 85**.

Condensatori in polipropilene metallizzato, impregnati in resina, per applicazioni di filtro DC o in circuiti a bassa induttanza DC. Questi condensatori sono capaci di rimpiazzare facilmente i condensatori elettrolitici ove occorre alta densità di energia, alta tensione e alti picchi di corrente senza la necessità di collegamenti in serie. Inoltre la bassa induttanza, realizzata grazie all'innovativo montaggio interno, permette una riduzione della sovratensione nei semiconduttori di commutazione.

Since more than 80 years, **DUCATI energia** is a leading company in production of capacitors for several fields of application, among the others the power electronics. Following this tradition, continuous investments in research and development of new products have represented the hinge of our company policy.

The result of this philosophy is the new range of capacitors **DC 85**.

Metallized polypropylene capacitors, dry solution, for DC filters application or low inductance DC buffer circuits. Due to the high energy density, high rated voltage and high ripple current, these capacitors are able to easily replace the electrolytic bench capacitors without additional series connections. Moreover the low self-inductance, due to the innovative internal mounting, allow a reduction of the semi-conductor commutation overvoltage.

NEW SERIE DC 85

- Case	Cylindrical or box
- capacitance	Up to 3000uF
- Voltage	Up to 5000Vdc
- Current Irms	Up to 130 Arms
- Self inductance	30nH
- Expected life	100.000 hours



SERIE DC 85

New Single-phase DC-Link Capacitors 416.85 series

- Cylindrical aluminium case or plastic box
- Self healing MKP dielectric with high performances (PPMd)
- 2 x M6 screws or 2 x M10 bolt terminals
- Standards IEC 61071-1/2 - UL approval in progress

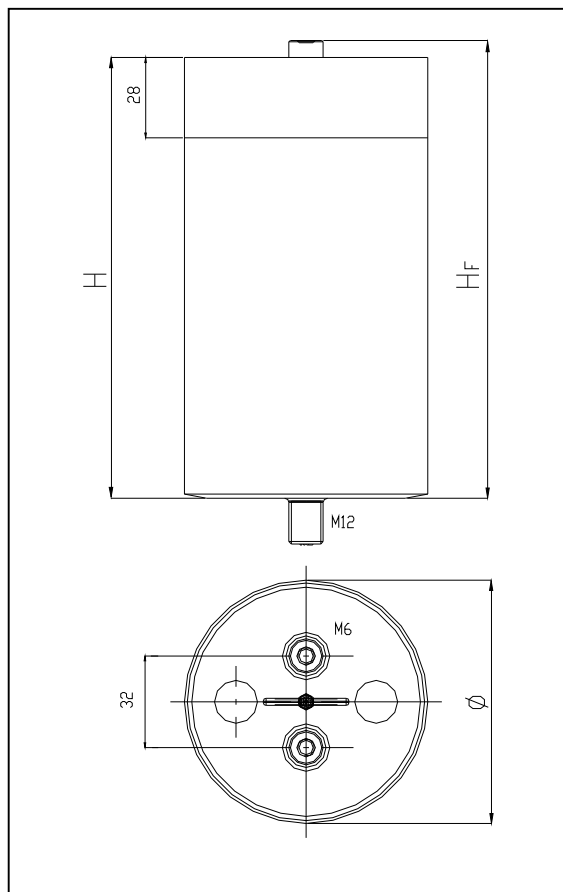
Applications

- DC link (UPS)
- Inverters
- DC filtering
- Switching

DC 85 C

ALLUMINIUM CILINDRIC CASE

Max rated DC Voltage	1800 V
Max. ripple voltage	1150 V
Max. ripple current	100 A
Range capacitors	Up to 1750 μ F
Min self inductance	30 nH
Terminals	Internal threads M6 Screw type bolts M8
Operating temperature (ambient)	-25 .. +75 °C
Storage temperature	-40 .. + 85 °C
Filling	Dry Polyurethane resin
Dielectric	Metallized PP film S.H.
Cylindrical case	Aluminium
Life expectancy	100.000h
Reference standard	IEC EN 61071 1/2



DC 85 B

PLASTIC OR ALLUMINIUM CUBIC BOX

Max rated DC Voltage	4000 V
Max. ripple voltage	2500 V
Max. ripple current	140 A
Range capacitors	Up to 2250 μ F
Min self inductance	30 nH
Terminals	M10 stud
Operating temperature (ambient)	-25 .. +70 °C
Storage temperature	-40 .. + 85 °C
Filling	Self extinguishing resin
Dielectric	Metallized PP film S.H.
Cubic case	Self extinguishing plastic case Alluminium
Life expectancy	100.000h
Reference standard	IEC EN 61071 1/2

