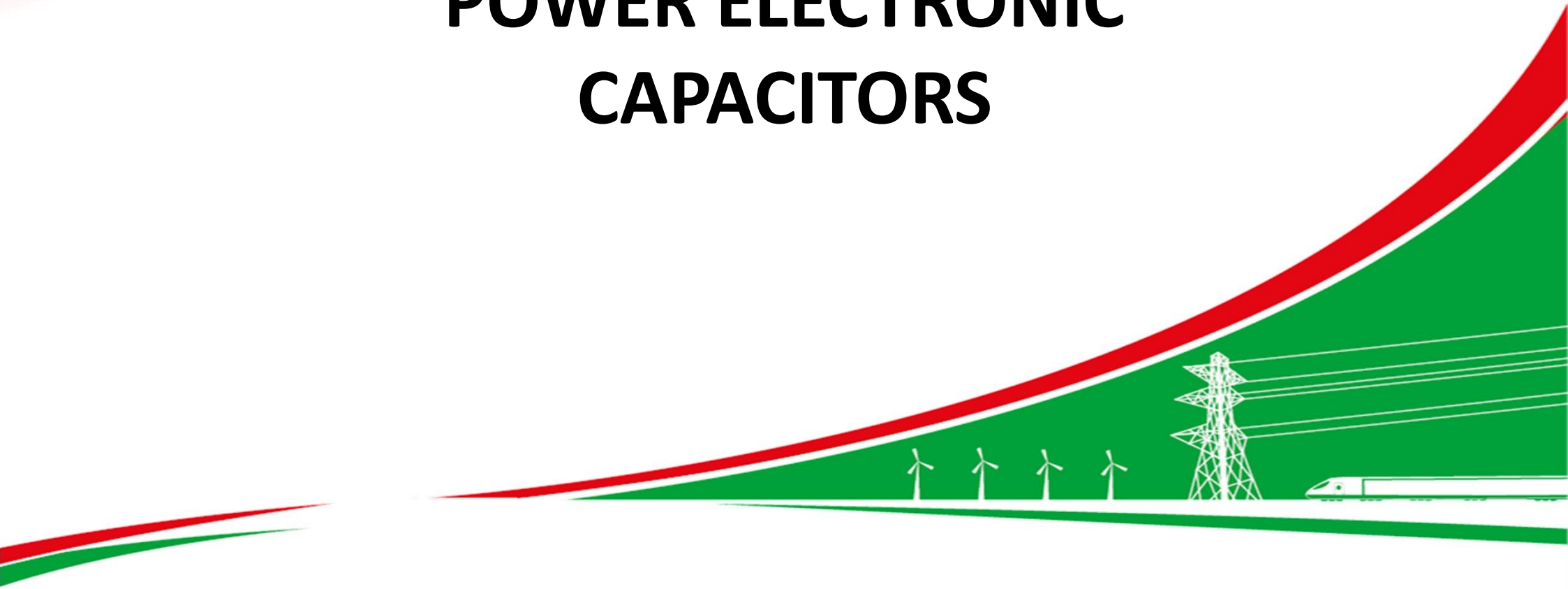




DUCATI energia

HISTORY DRIVES THE FUTURE

POWER ELECTRONIC CAPACITORS





DUCATI energia
HISTORY DRIVES THE FUTURE

**DUCATI energia
Romania**



Busteni and Ploiesti,
Romania

Centro Ricerche DUCATI

Rovereto, Italy



Telefin-Nuraia DUCATI



Verona, Italy

**DUCATI
Komponenti**



Ludbreg, Croatia

Bologna Headquarters



**DUCATI energia
South America**



Buenos Aires, Argentina

**DUCATI energia
do Brasil**



Sao Paulo, Brasil

**DUCATI energia
India**

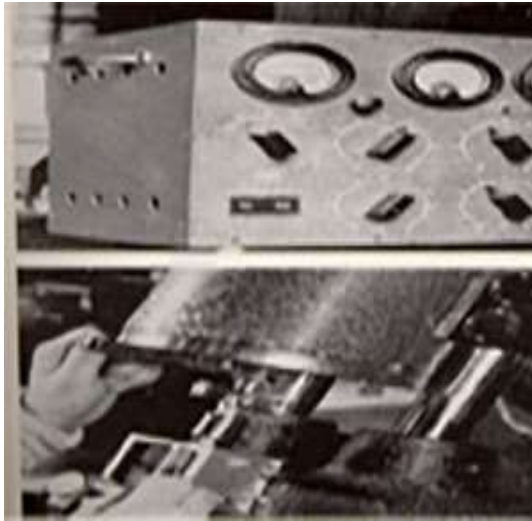


Pune, India





DUCATI energia
HISTORY DRIVES THE FUTURE



Ducati Energia owns its fame to the Ducati brothers who established the DUCATI Company in 1926. Twenty two years later, DUCATI was split in two other companies, DUCATI Elettrotecnica and DUCATI Meccanica (today DUCATI Motor Holding).

Founded in 1985, DUCATI Energia is nowadays considered **one of the most important companies in the Bologna area** with a staff list of about 900 employees working in its nine worldwide plants. The main fields of activities are the following: capacitors, power factor correction and power electronics, alternators and ignition systems, electrical vehicles and charging stations, energy analysers, electric network tele-control systems, railway signaling systems, ticket issuing and transport automation systems.

This Company has always been seeking to **invest in research and development of high technology** standards and through its many years of activity it has developed new types of products, always matching the unmistakable DUCATI seal of quality





FROM MEASURE TO DESIGN

THERMAL AND ELECTRICAL TESTING EQUIPMENT



CAP & TG AT RATED VOLTAGE



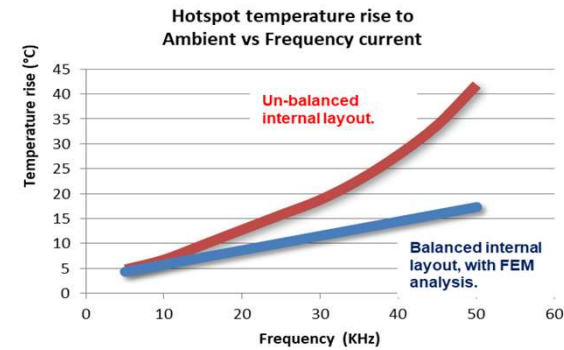
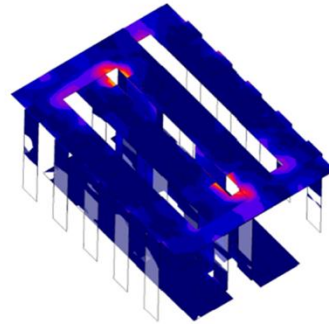
CAP & TG AT SEVERAL FREQ



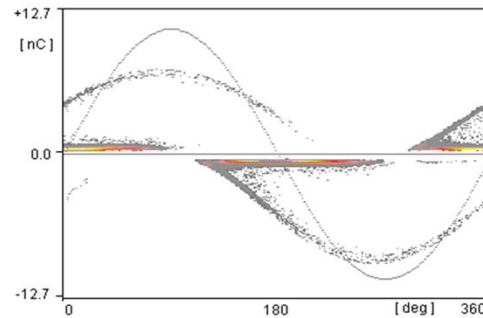


TECHNOLOGY ANALYSIS

FEM High Frequency Analysis



Partial Discharges Protection



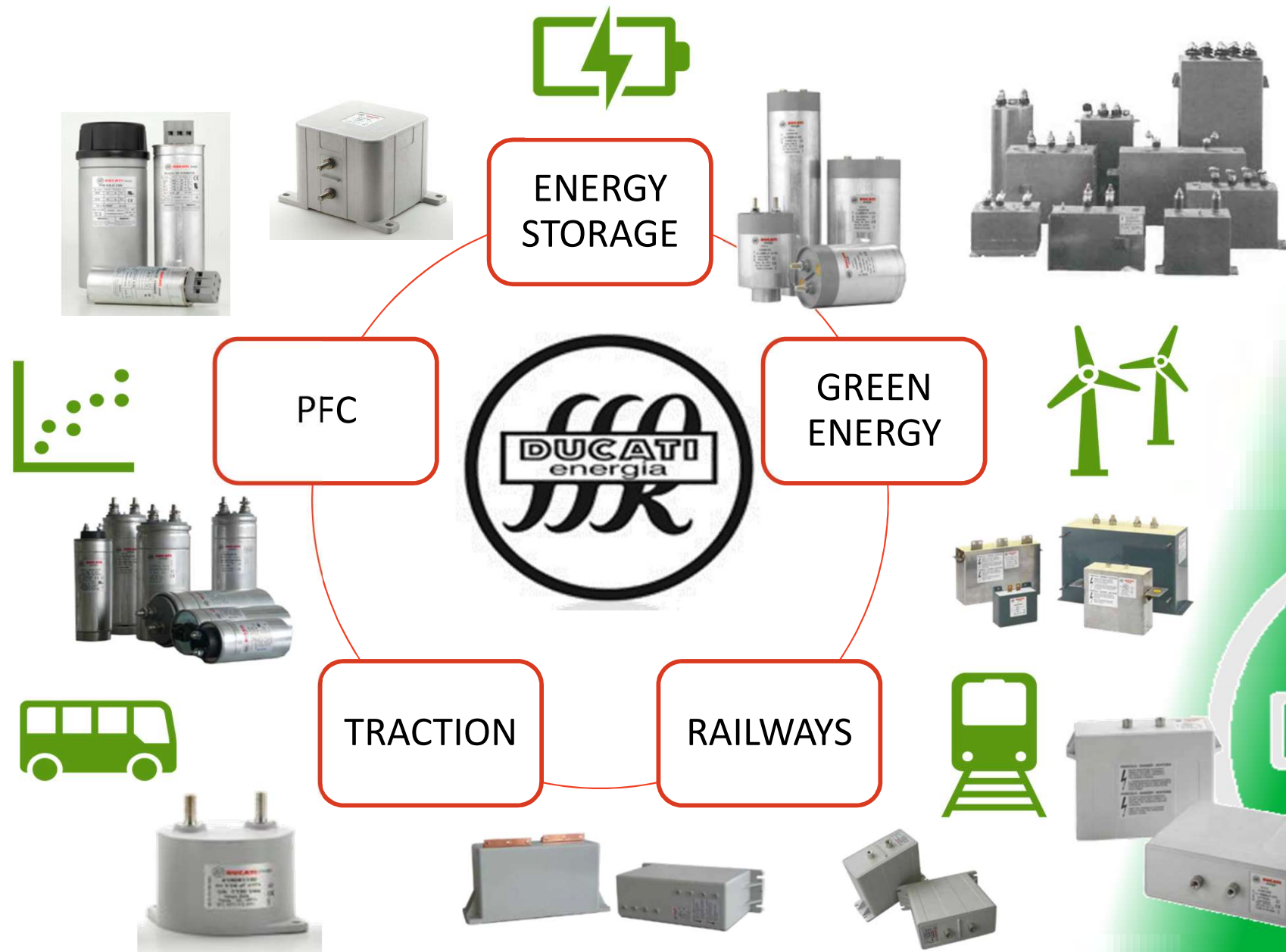
Harsh Environment Design





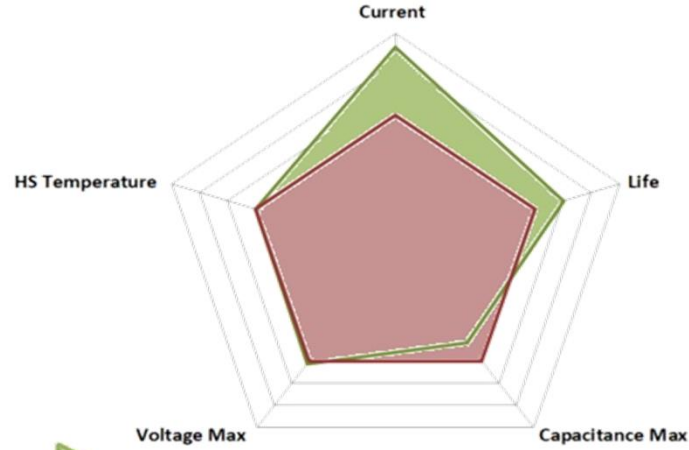
DUCATI energia
HISTORY DRIVES THE FUTURE

POWER ELECTRONIC APPLICATIONS

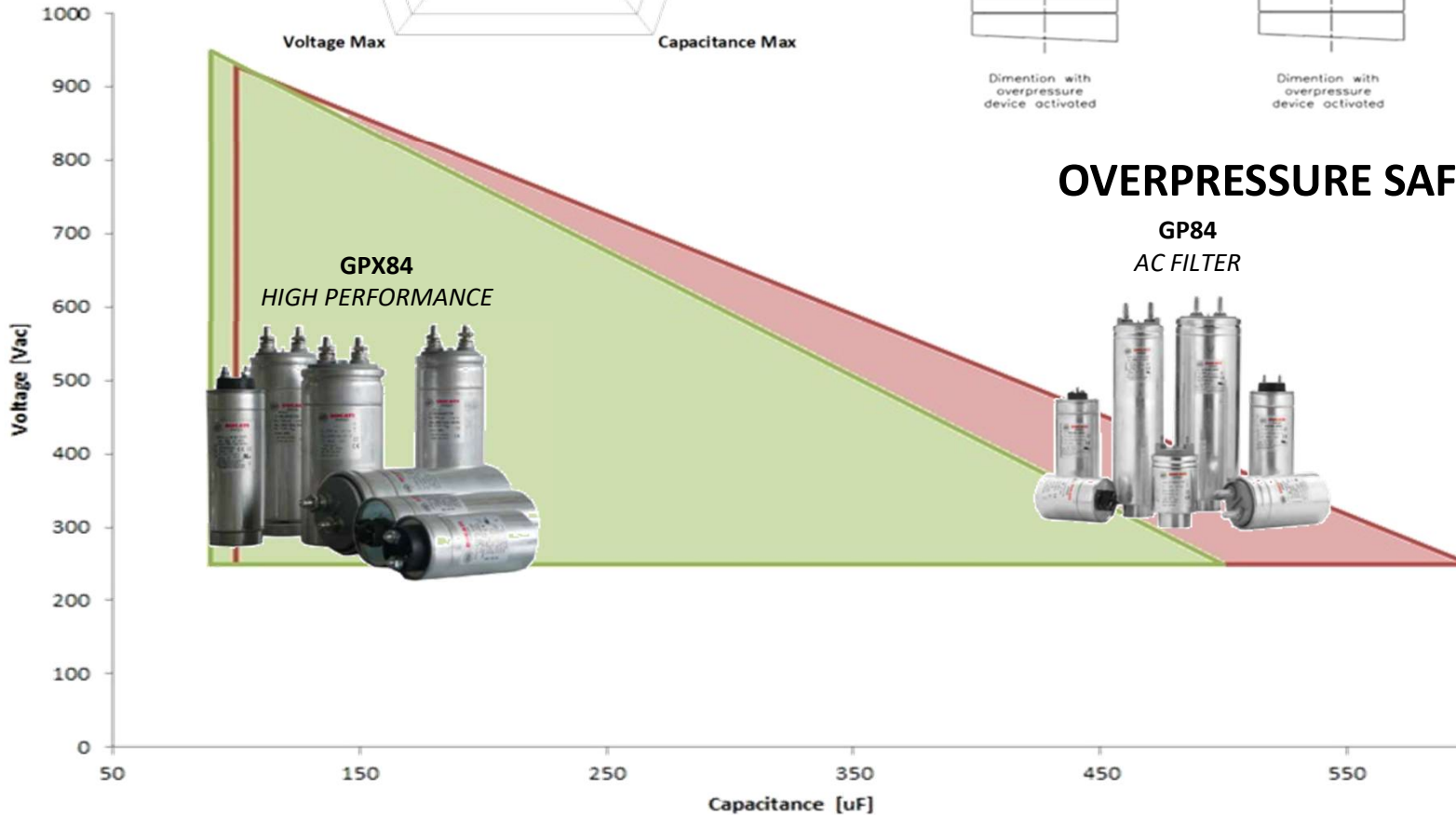
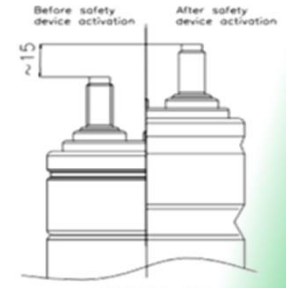
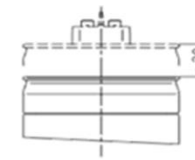
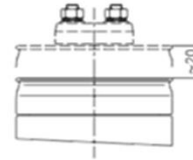




AC FILTER & GENERAL PURPOSE



— GPX 84
— GP84



OVERPRESSURE SAFETY DEVICE

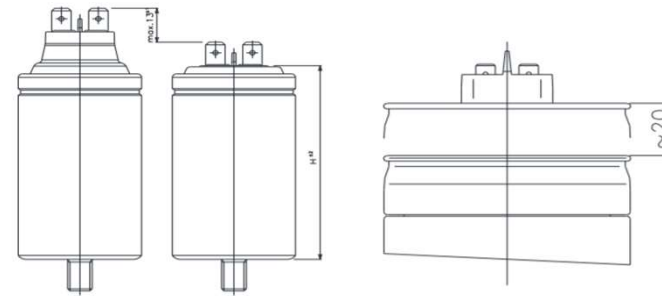
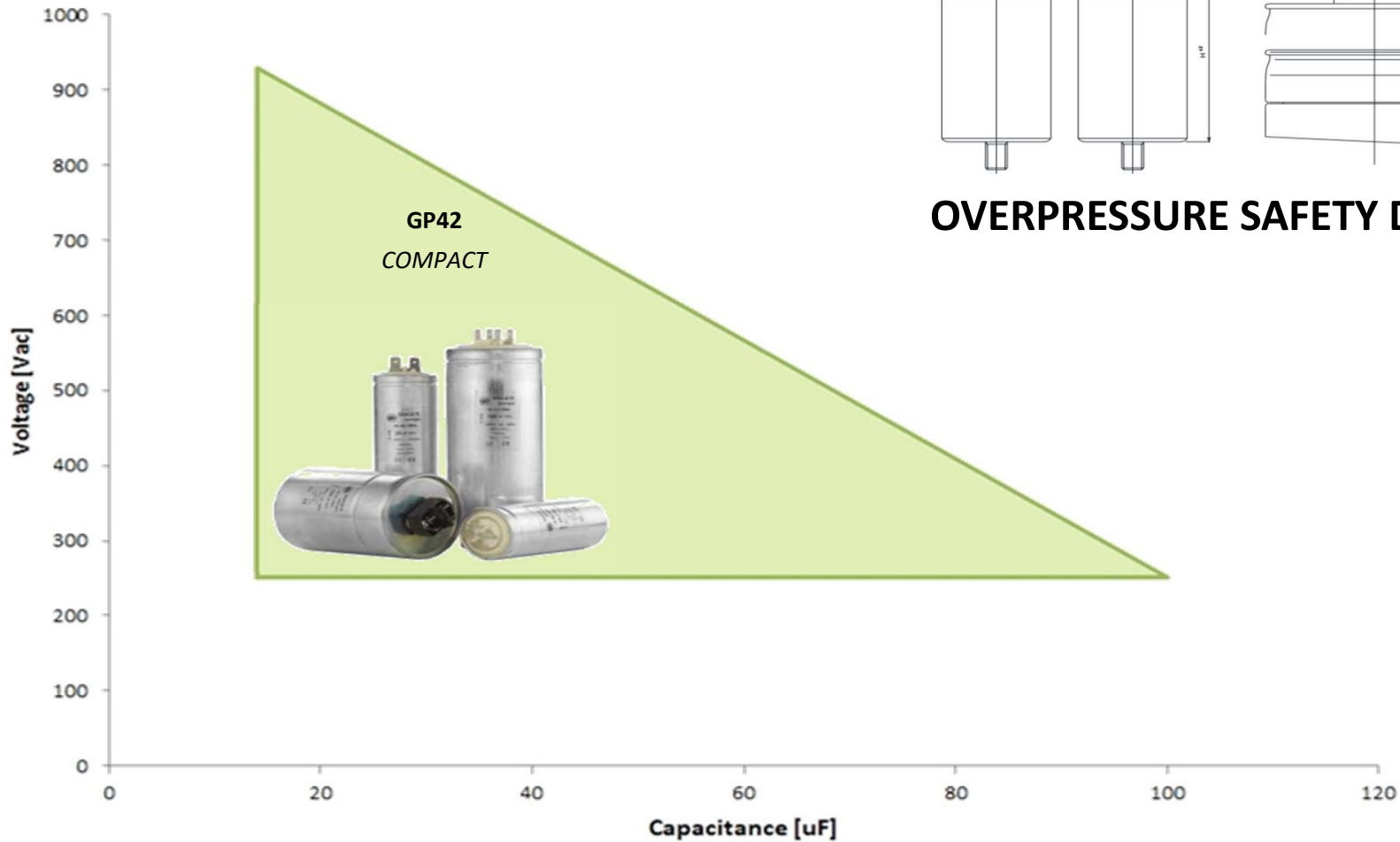
GP84
AC FILTER





DUCATI energia
HISTORY DRIVES THE FUTURE

AC FILTER & GENERAL PURPOSE



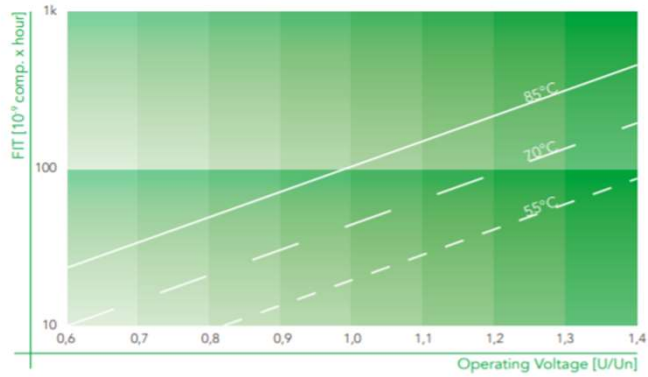
OVERPRESSURE SAFETY DEVICE



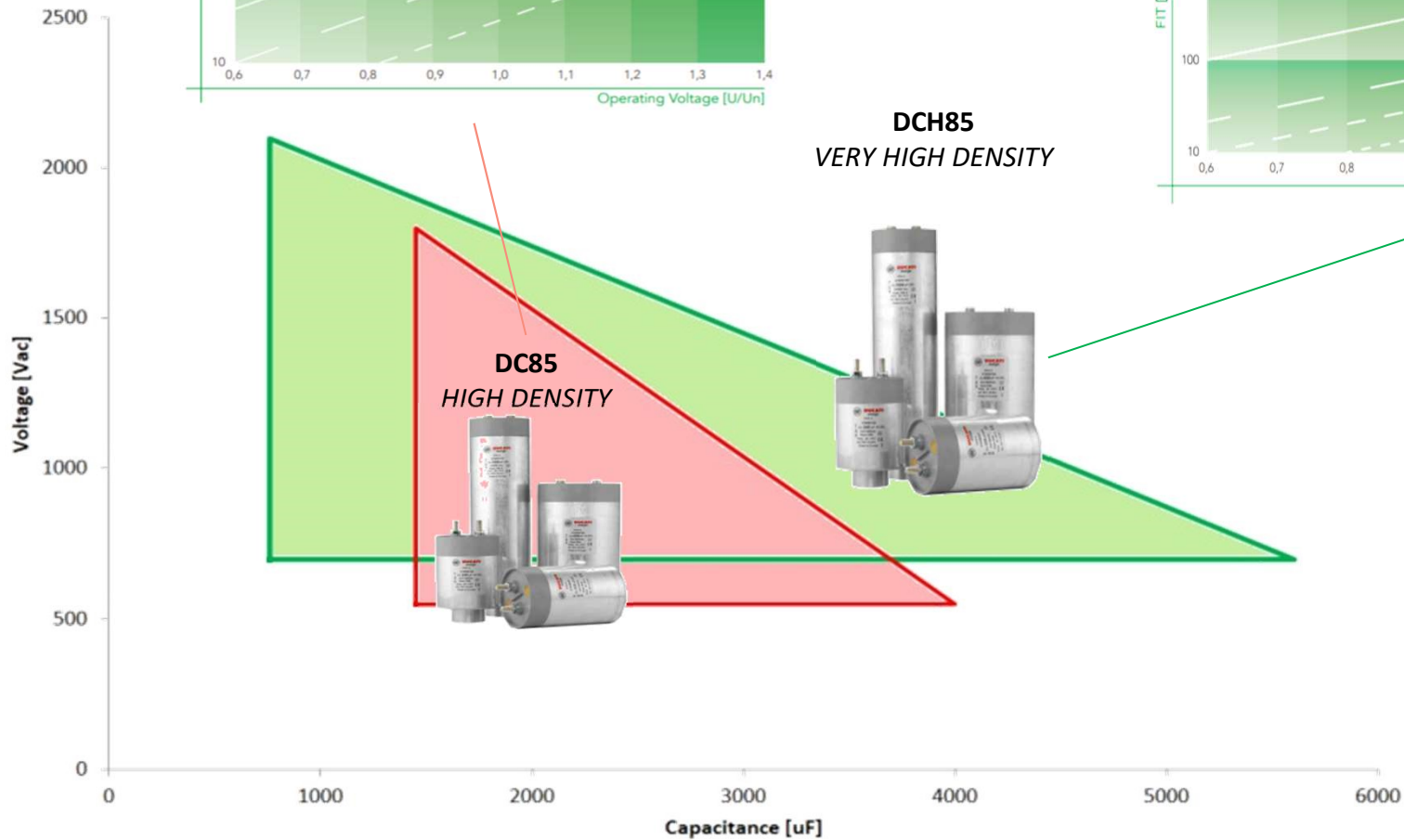
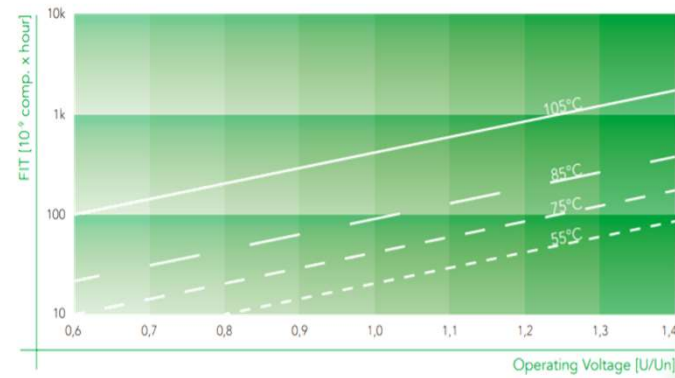


CYLINDRICAL DC-LINK

FIT vs Hot Spot Temperature



FIT vs Hot Spot Temperature

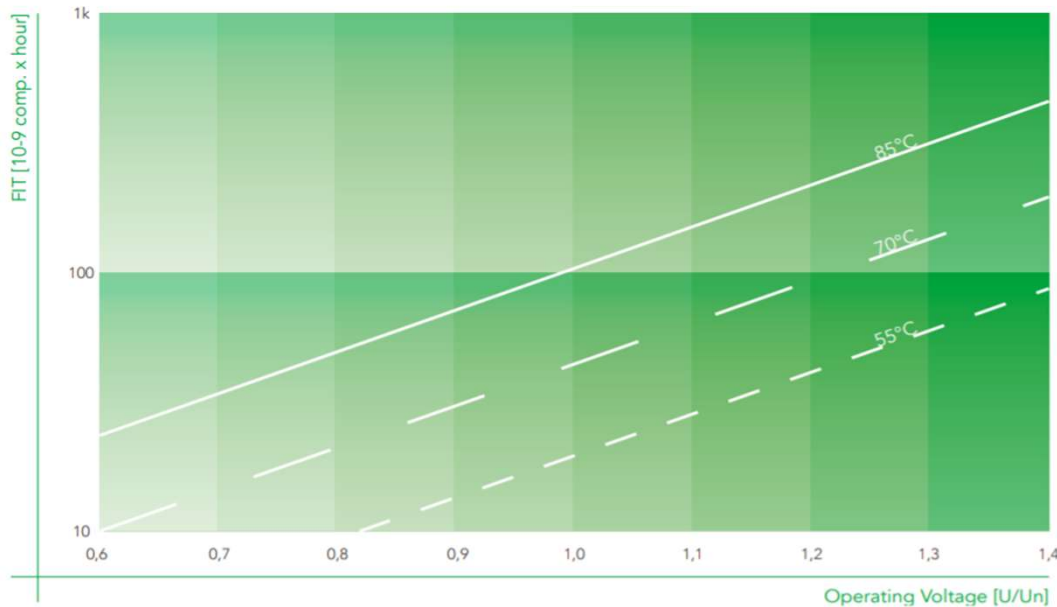




CYLINDRICAL DC-LINK

DC89 HC
HIGH CURRENT

PLASTIC
CASE



- High Current – Low Impedance
- Dry resin impregnation
- Lifetime: >100.000 hrs





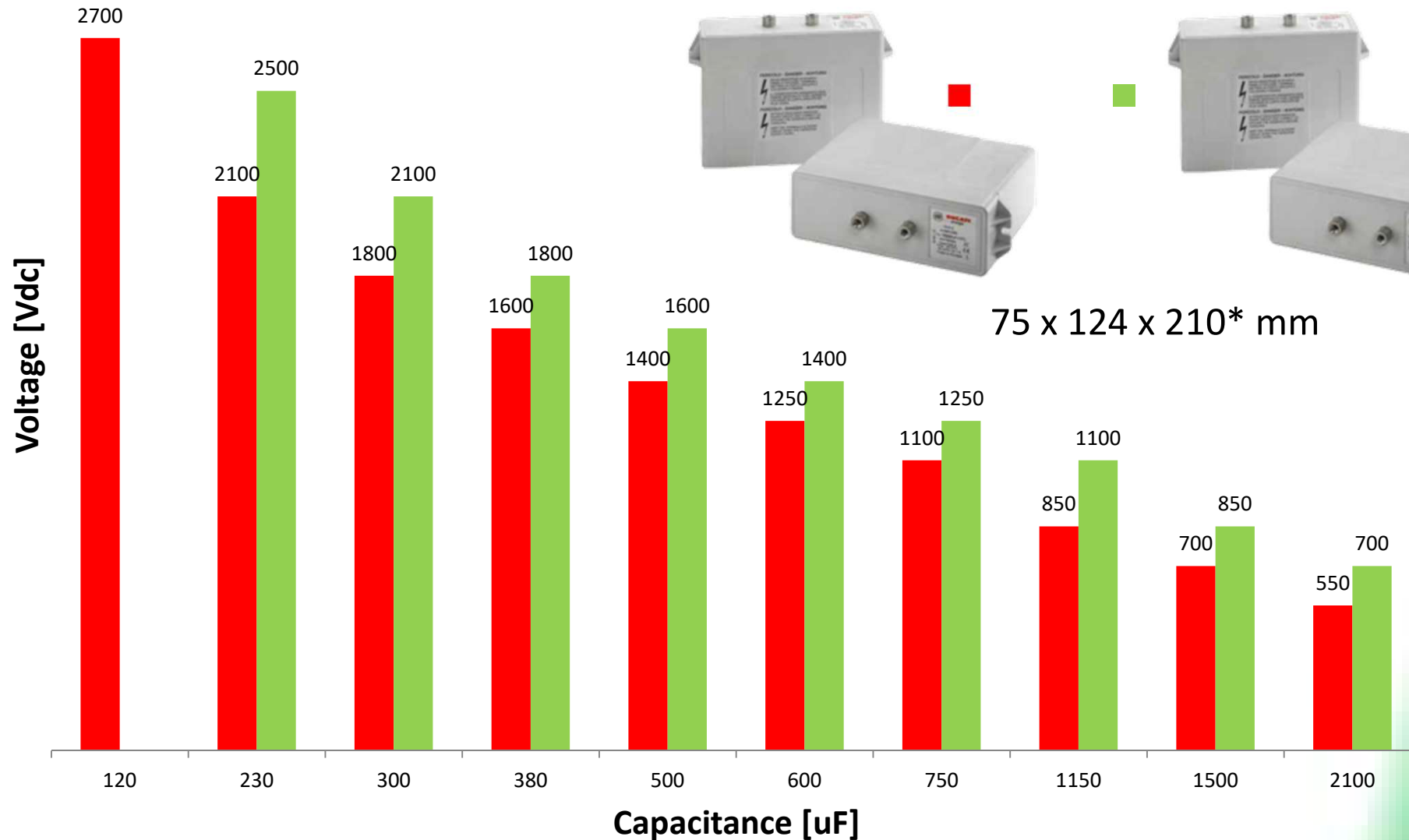
PRISMATIC PLASTIC DC-LINK

DC 86 PS
HIGH DENSITY

DCH 86 PS
VERY HIGH DENSITY



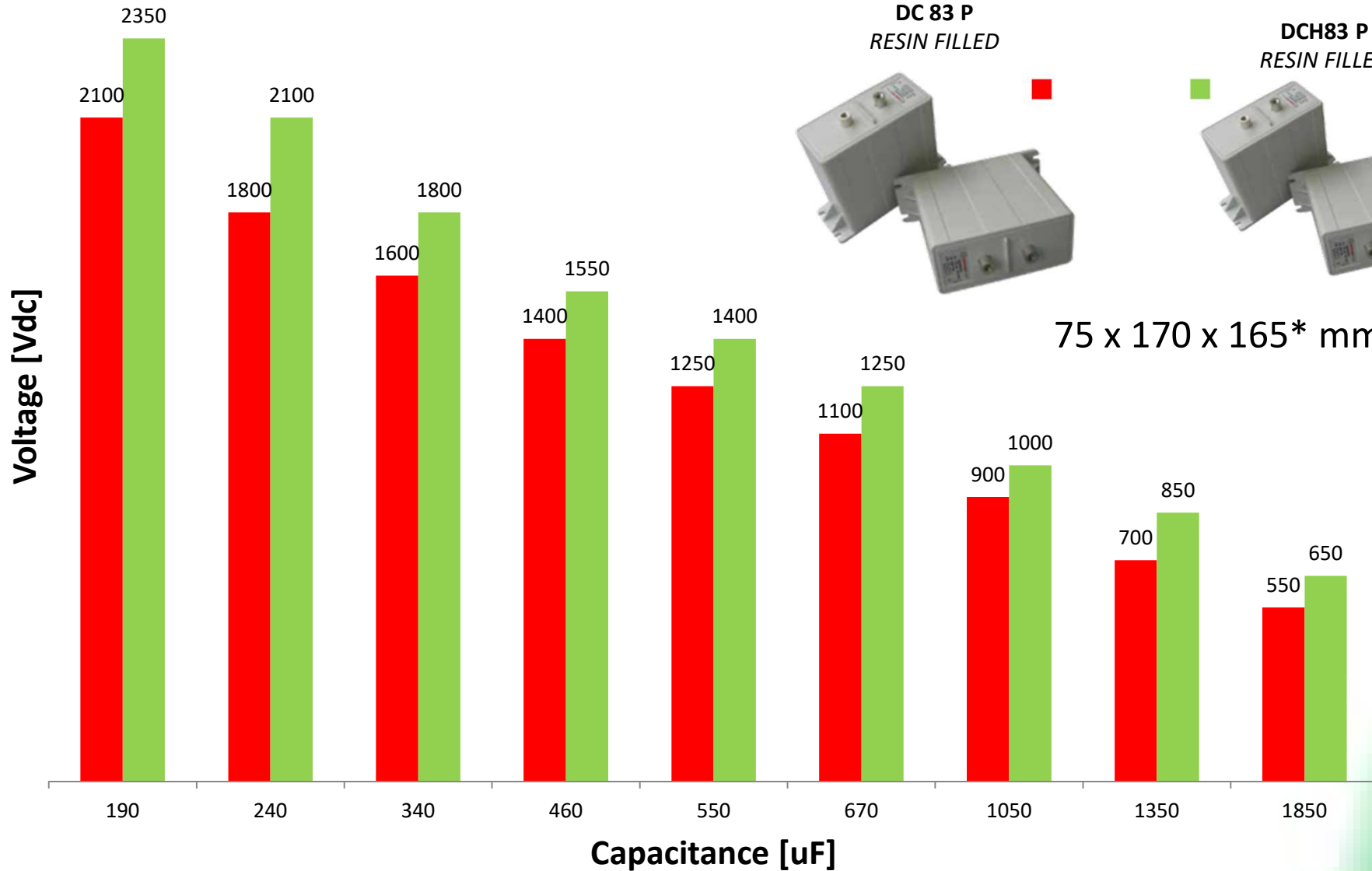
75 x 124 x 210* mm



* The length considering the connection holes is 237,5 mm



PRISMATIC PLASTIC DC-LINK



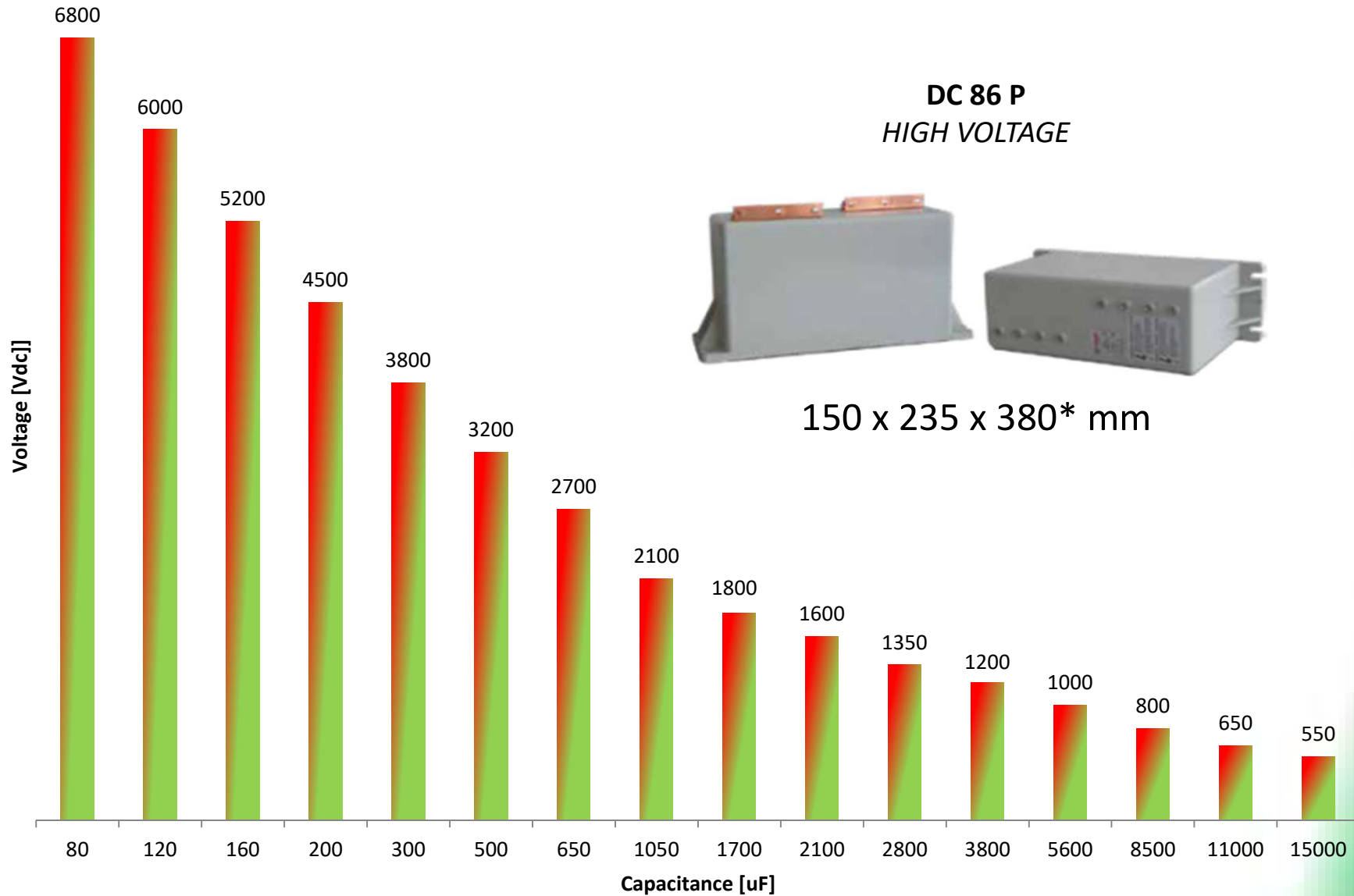
75 x 170 x 165* mm



* The length considering the connection holes is 215 mm



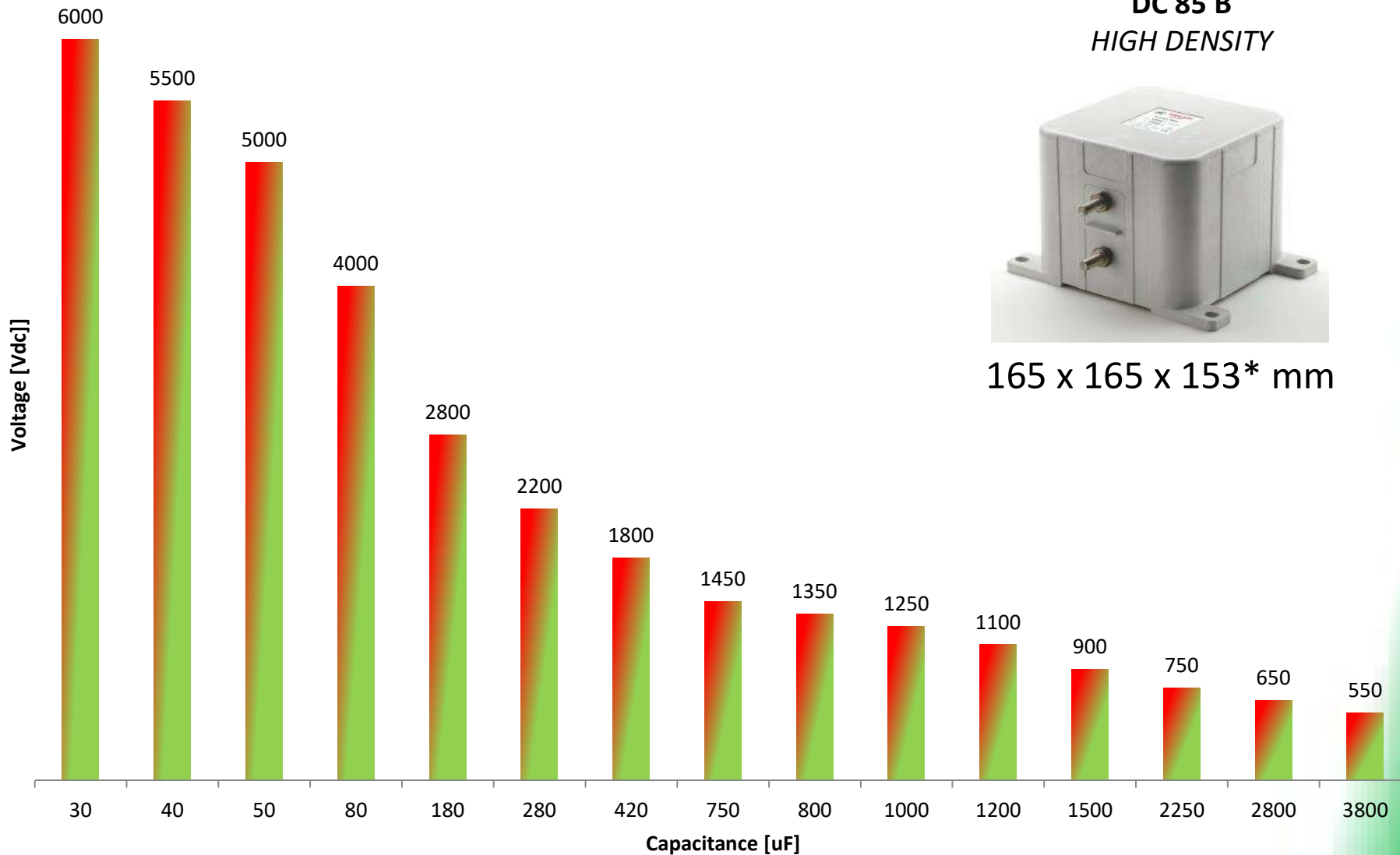
PRISMATIC PLASTIC DC-LINK



* The length considering the connection holes is 460 mm



CUBIC PLASTIC DC-LINK



DC 85 B
HIGH DENSITY



165 x 165 x 153* mm

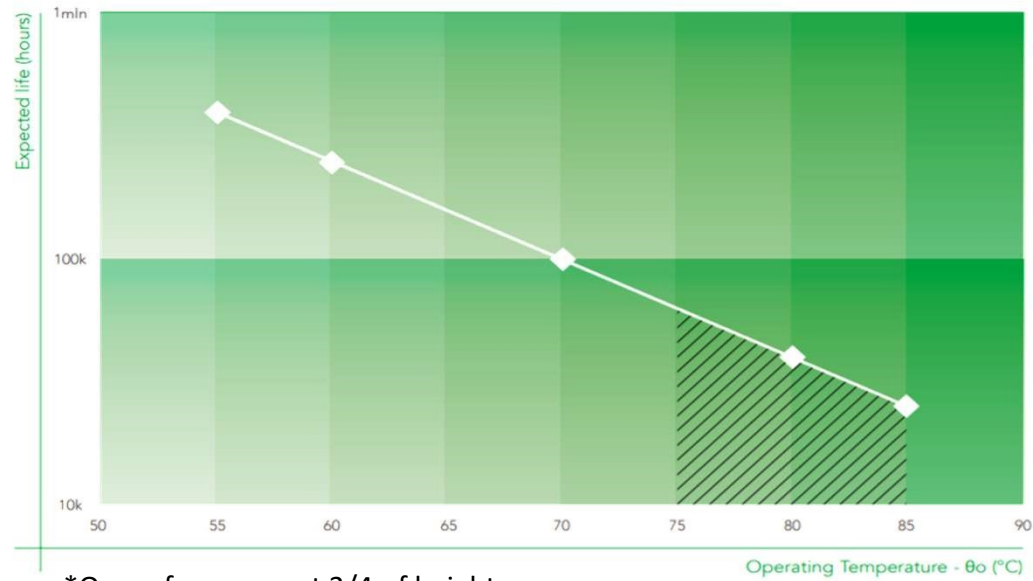
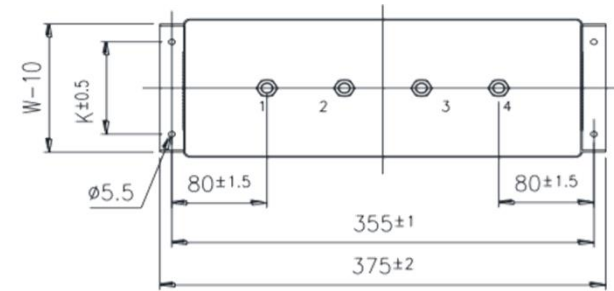
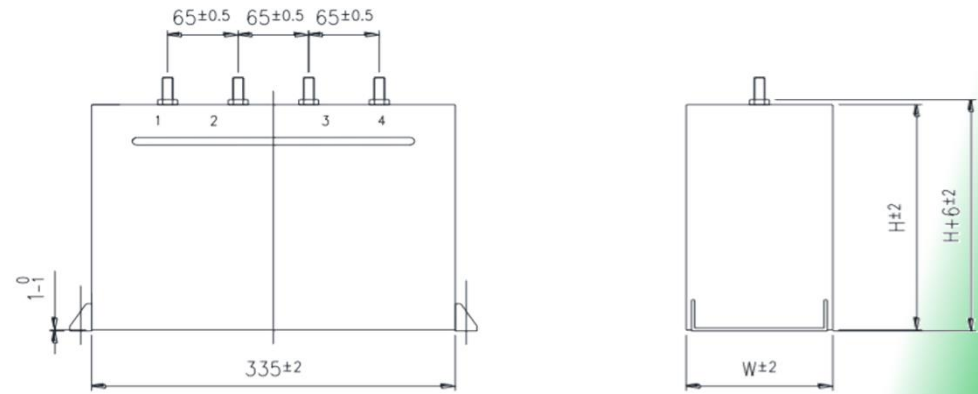


* The length considering the connection holes is 222mm



METALLIC DC-LINK

DC 88 M
RESIN FILLED



Safety system: This capacitors are designed with a particular type of polypropylene metalized film (PPM-D film) that assure an open circuit at the end of life, if the service is within the specification.

Width (Wmm)	k(mm)
95	50
145	100
170	100

*On surface case, at 3/4 of height



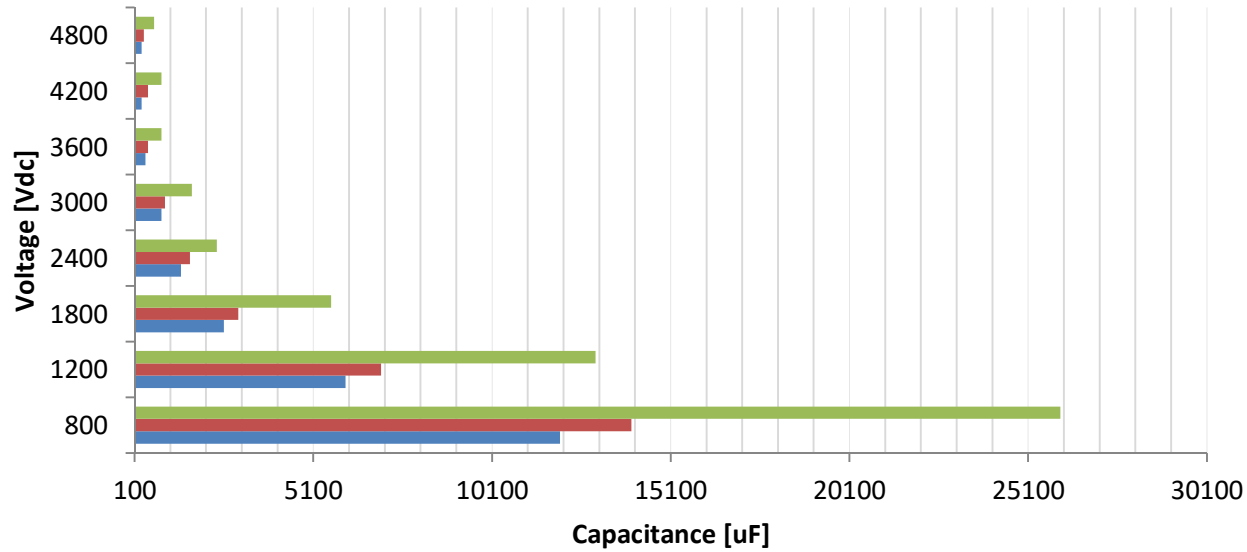


METALLIC DC-LINK

DC 45
VACUUM SILICON OIL
IMPREGNATED

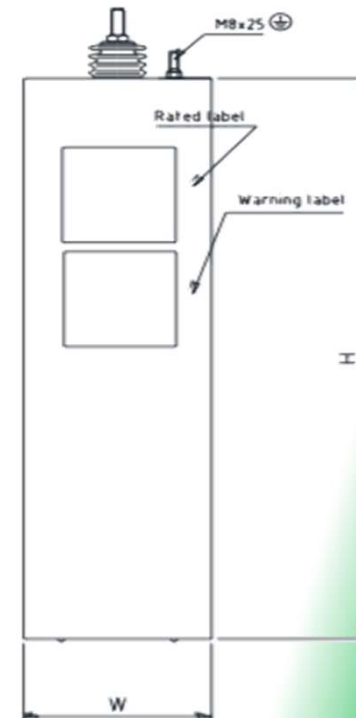
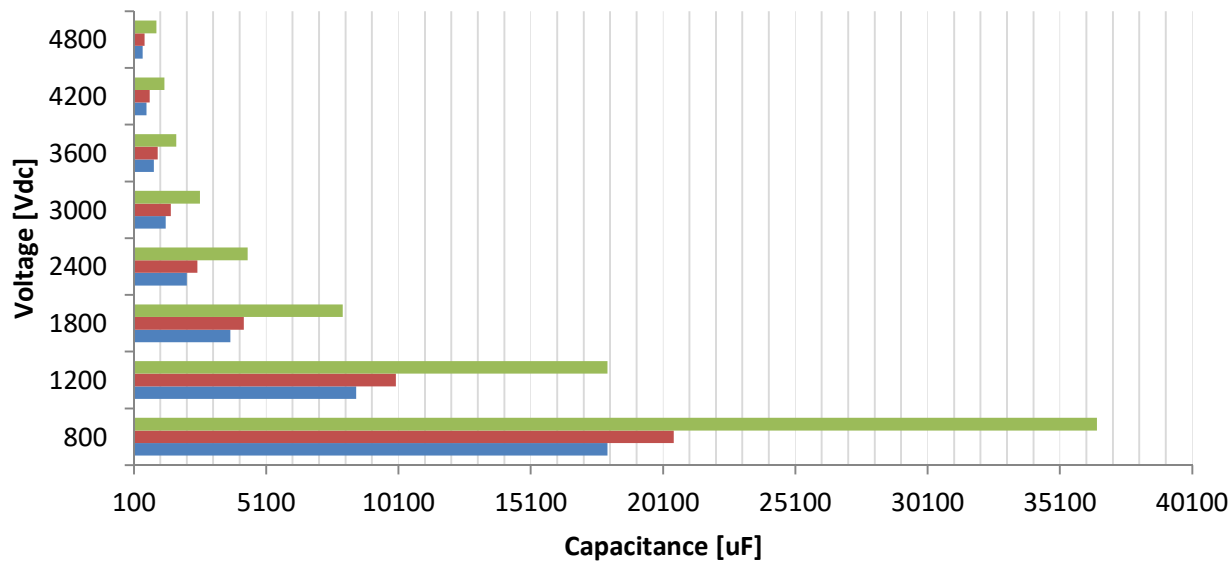


H= 360 mm



- Base: (W) 165 x (L) 480 mm
- Base: (W) 140 x (L) 340 mm
- Base: (W) 125 x (L) 340 mm

H= 515 mm

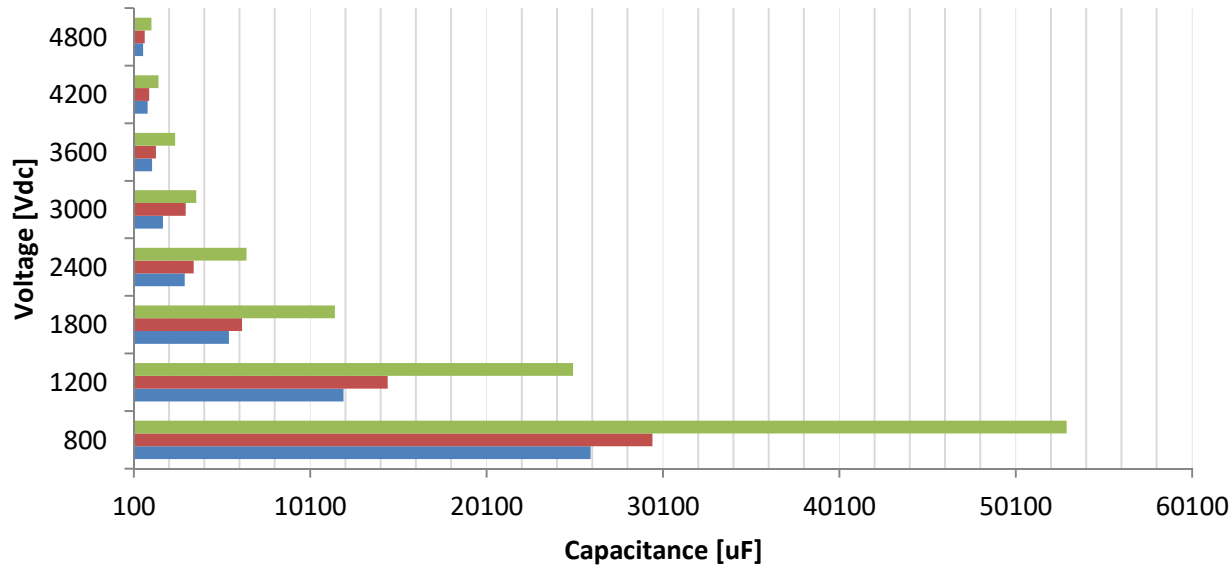




METALLIC DC-LINK

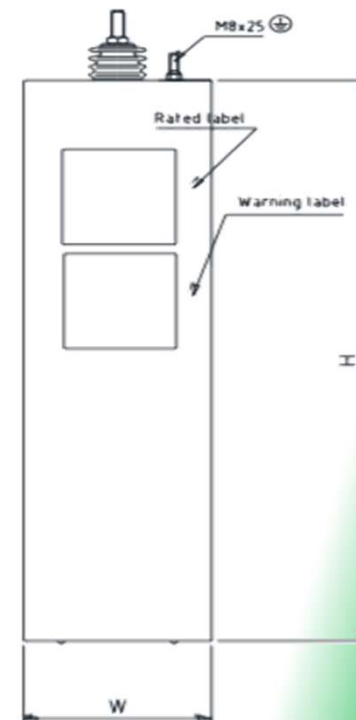
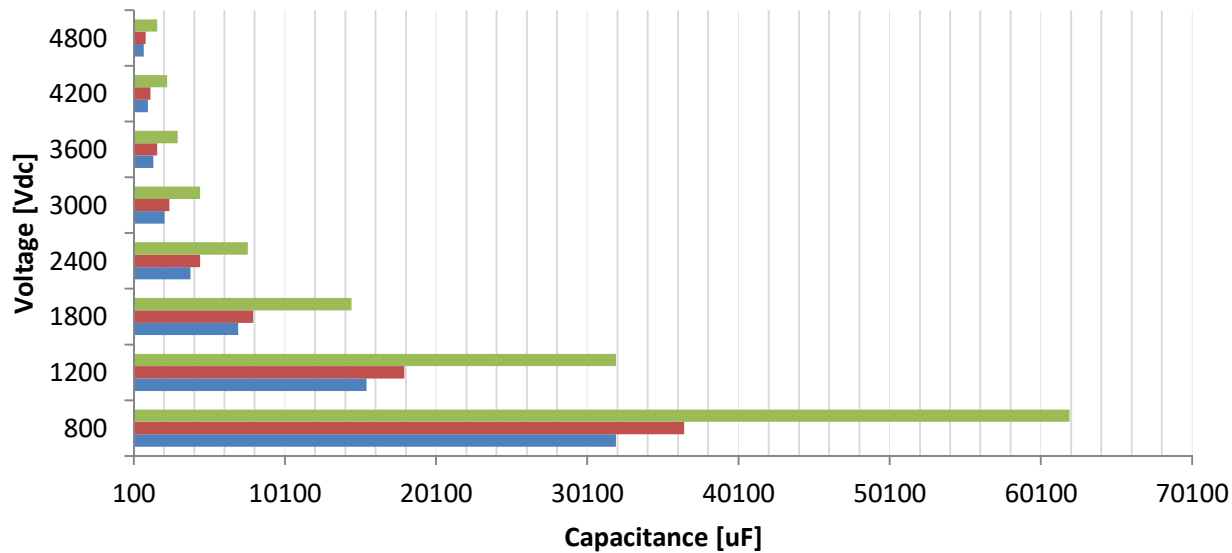
DC 45
VACUUM SILICON OIL
IMPREGNATED

H= 700mm



- Base: (W) 165 x (L) 480 mm
- Base: (W) 140 x (L) 340 mm
- Base: (W) 125 x (L) 340 mm

H= 815mm





CERTIFICATIONS



PRODUCTION SELF-CERTIFICATION

SUPPLIERS CERTIFICATION

DESIGN CONTROL

PROCESS CONTROL

FINAL CONTROL (100%)





DUCATI energia
HISTORY DRIVES THE FUTURE

CUSTOMER ORIENTED



TECHNICAL
CHALLENGE

R&D STUDY

CUSTOMER
SUPPORT

NEW
CUSTOMIZED
PRODUCT

