

AEG

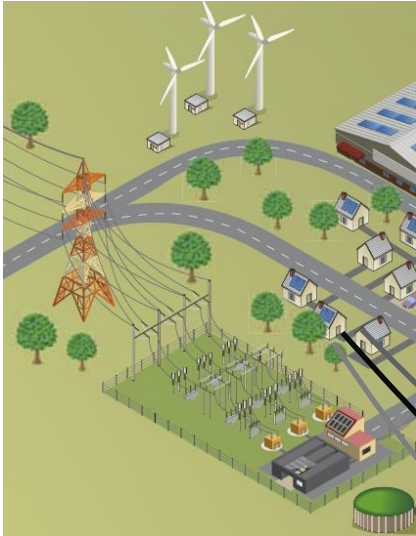
POWER
SOLUTIONS



HIGH PERFORMANCE RECTIFIER THYROBOX DC-3

AEG is a registered trademark used
under license from AB Electroflux.

ELECTROLYSIS POWER SUPPLY: REQUIREMENTS



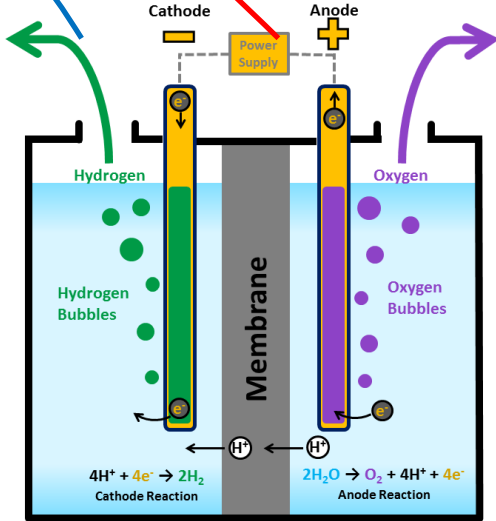
Grid-side requirements:

- High Power factor in whole operation range
- Low THDi
- Compliance with EN50160



Other requirements:

- High Power Density
- High efficiency
- Scalable modular design

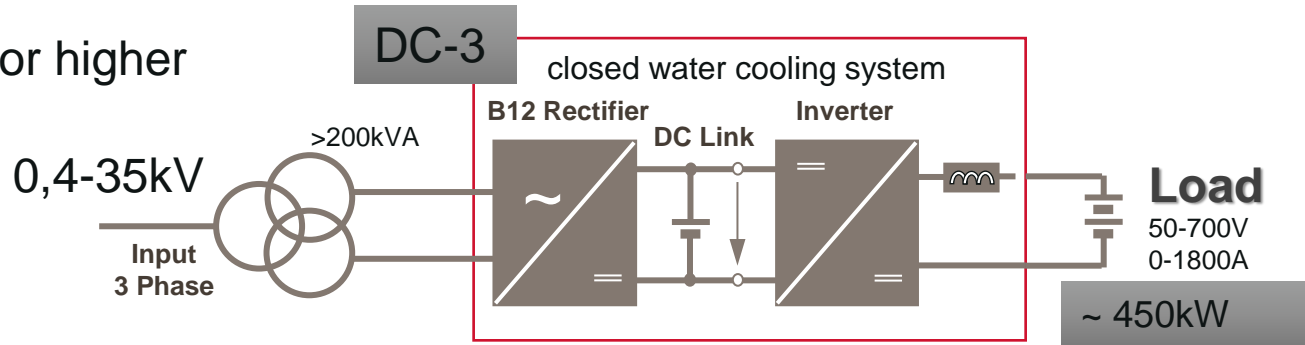


Stack-in requirements:

- Variable voltage
- High current / high power (up to some kA / MW)
- Low output current ripple

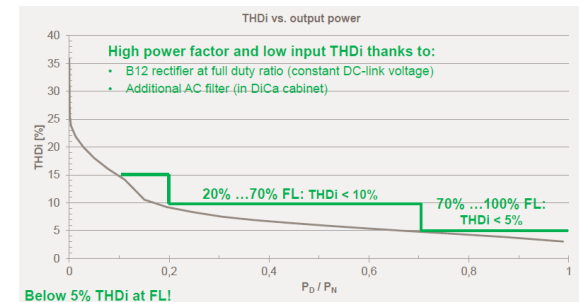
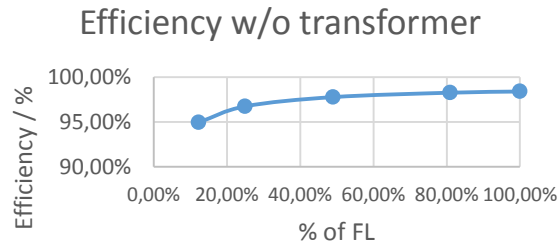
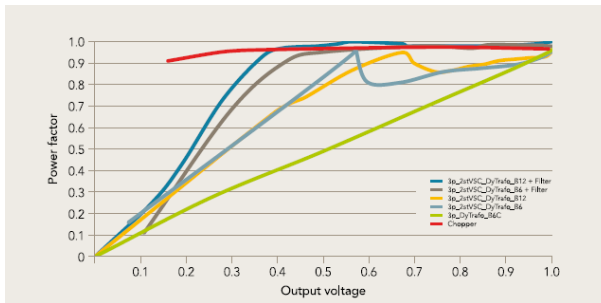
THYROBOX DC-3 RECTIFIERS

*IP 3x or higher

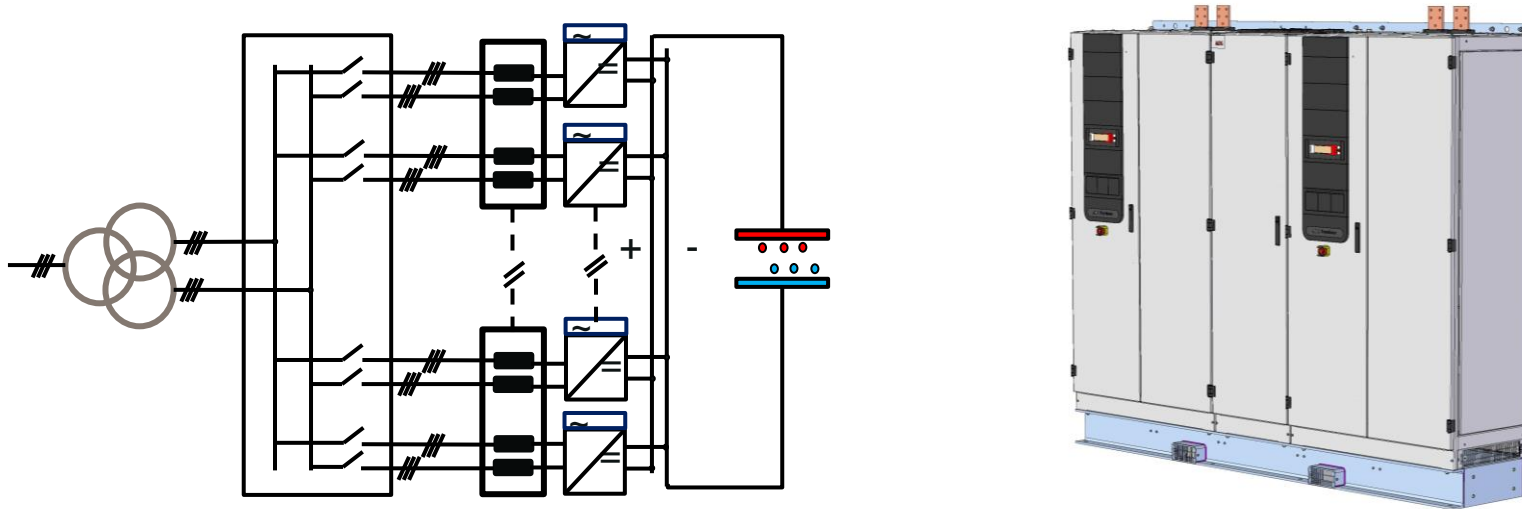


Thyrobox DC-3 developed for high power factor and low harmonics

- With no additional filter
- From 10% – 100% load
- Efficiency 95% - 98%



MULTI-MW SYSTEMS FOR LARGE SCALE ELECTROLYSIS



Modular design allows easy adaptation to different stack designs

- Thyrobox DC-3 PowerFrame: **1MW** rectifiers power
- Common communication interface in master-slave architecture
- **Eco Mode** for 97% efficiency even at low load conditions
- **> 18MW installed AEG** electrolysis power supply systems

ANY QUESTIONS? GET IN TOUCH.

For further information please contact us:
hans.Schmitt@aegps.com

