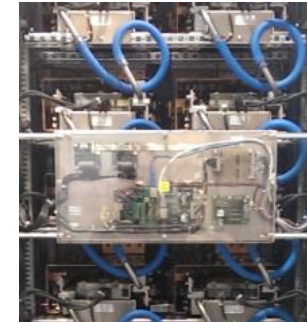
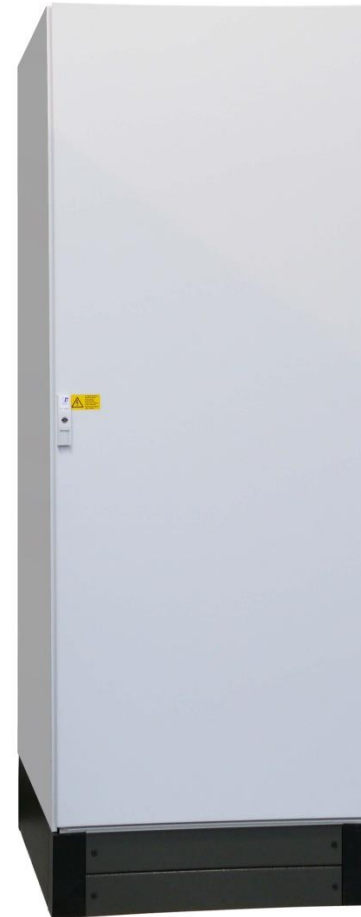
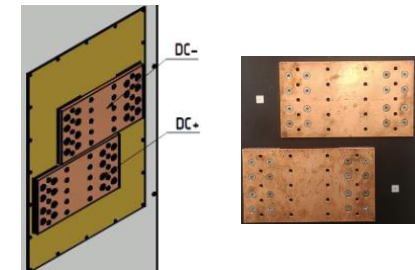


## DC power supply / Electroplating Rectifier - pe5910-W

Technology	Switch Mode - IGBT / MOSFET DSP ( Digital Signal Processor )
Output current	up to 10,000A
Output voltage	up to 1,000 V
DC output power	max 200kW
Cooling / Amb Temp	Water cooling / 40°C
Output Ripple	Less than 1% for any size Load
Control accuracy	Voltage < 0.5% Current < 1%
Power factor	Typically 0.95 uniform from zero to max output voltage
Efficiency	Typically up to 94%
Electricity Demand	much lower compared to SCR - Thyristor design
Interference / Regulations	EN61000-6-2; EN 61000-6-4 EN55011 (Class A, group B) <b>CE</b>
Cabinet (WHD mm)	800 x 2200 x 600 (other sizes)



New internal modular design  
using the latest IGBT technology.



New DC stub Busbar  
connection design, gives full  
flexibility for DC Busbar  
connection.



### *Optional* - Integrated Polarity Reversing output

New solution with pe5910-W to achieve polarity changing for high DC current systems:

DC rectifier system with  
high DC output current



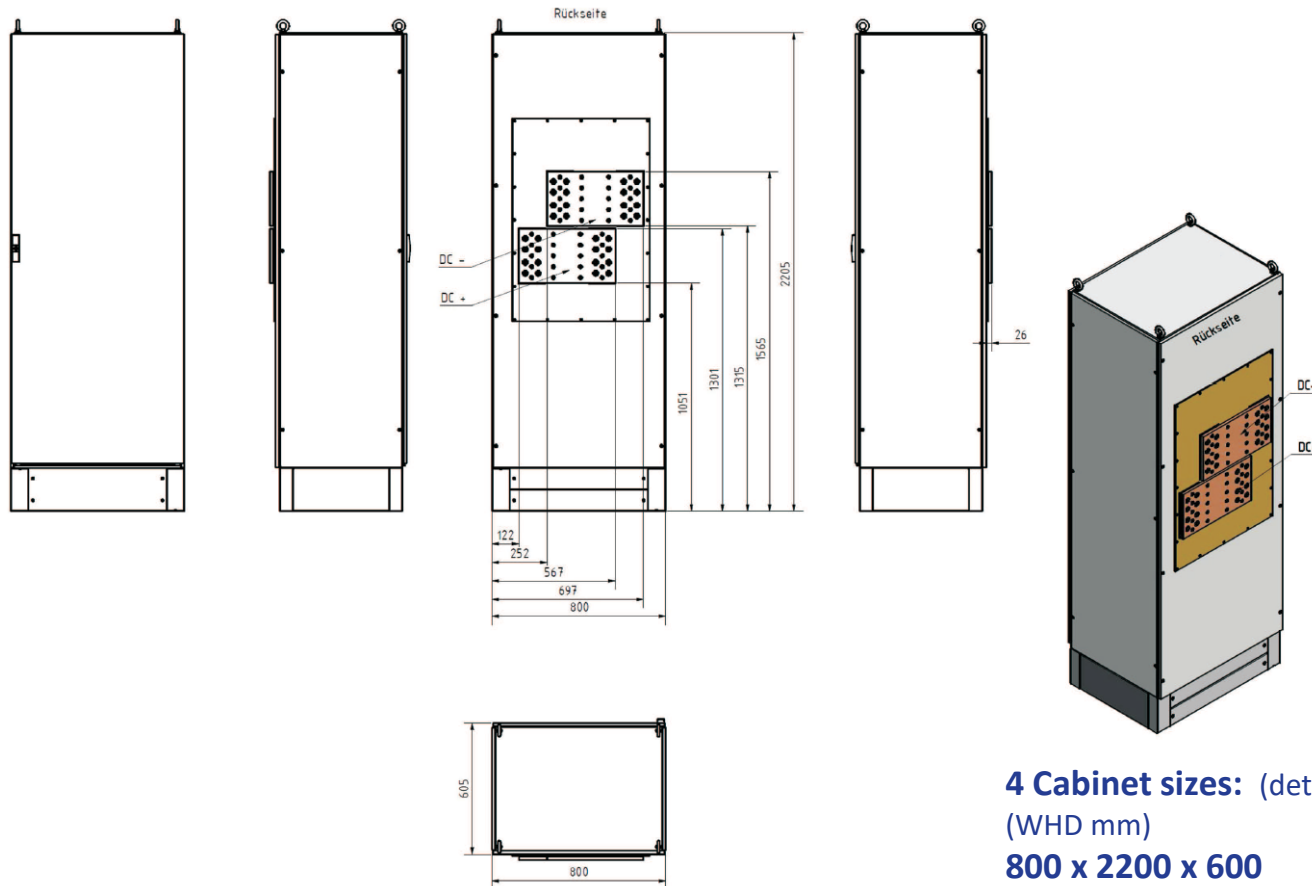
pe5910-W with integrated polarity Reversing function



- Polarity changing integrated in Power Supply
- DSP (Digital Signal Processor)
- MOSFET technology replaces DC output diodes
- higher efficiency due to electronic MOSFET technology
- control via digital interface
- Polarity changing will be managed by pe5910-W  
No need for additional turning Off
- 10,000A available up to 15V
- parallel connection of several units possible to achieve  
higher current systems



### Drawing 20V / 10,000A



**4 Cabinet sizes:** (determined by kW)  
(WHD mm)

**800 x 2200 x 600**

**800 x 1200 x 600**

**600 x 2200 x 600**

**600 x 1200 x 600**

