



High Voltage DC Power Supply up to 10kV and 3000W

- Fully digitally regulated
- 19" and desktop in one
- Human Machine Interface by colored TFT
- Wide range single phase ac input
- Ethernet and RS232 on board
- Variety of options available or included
- Predictive fan control
- Modern and attractive appearance
- Free software update for one year
- Preferred types on stock

Order table

| Type | Voltage [V] | Current [mA] | Power [W] | Part Number |
|----------------|-------------|--------------|-----------|--------------|
| EVO 1500-1400 | 0 ... 1500 | 0 ...1400 | 2000 | 00.210.113.x |
| EVO 1500-2000 | 0 ... 1500 | 0 ...2000 | 3000 | 00.210.114.x |
| EVO 5000- 400 | 0 ... 5000 | 0 ... 400 | 2000 | 00.210.143.x |
| EVO 5000- 600 | 0 ... 5000 | 0 ... 600 | 3000 | 00.210.144.x |
| EVO 10000- 200 | 0 ...10000 | 0 ... 200 | 2000 | 00.210.163.x |
| EVO 10000- 300 | 0 ...10000 | 0 ... 300 | 3000 | 00.210.164.x |

Remark: Please use .1 for positive, .9 for negative and .5 for reversible polarity instead of .x in part number

Technical data:

- Function:** Digitally regulated dc high voltage power supply
- AC Input:** 230V \pm 10% (3kW version)
187V – 253V (2kW version) 47Hz – 63Hz
Active power factor correction
Mains socket on rear side (IEC 60320 Type C20)
- Human Machine Interface:**
Colored 3.5" TFT screen with LED backlight
Input by 2 soft keys and one turn/press button
Menu navigation by clear structure and sub menus
Configurable code protection for sub menus
Full set of device IDs including default setting function
Error and event monitoring including time tags (actual and shadow)
- DC Output:** positive, negative or reversible polarity
- HV connector:** Female Heinzinger HV connector on rear side
- Precision:** Overall accuracy class of 0.01% (100ppm)
Overall accuracy class of 0.001% (10ppm) as high precision type
- Typical values:** (for v/c)
Setting accuracy: 16bit
Setting range: 0,01% - 100% U_{nom}
Reproducibility: 0,1% U_{nom}
Line regulation (\pm 10%): \pm 0,01% U_{nom}
Ripple: 0,01% pp $U_{nom} \pm$ 100mV
Load regulation (10%-90%): 0,05% U_{nom}
Response time on changes: 1ms to 0,1% U_{nom}
(on load current change from 0 to 100%)
Stability: 0,01% U_{nom} per 8h
Temperature coefficient: 0,01% U_{nom}/K
Noise level (full load): \sim 55dB_A (\leq 33dB_A at no load)
- Interfaces:** RS232, Ethernet (SCPI), USB (service port)
- I/O terminal:** Interlock, Analog controls (if option chosen), configurable I/Os
- Enclosure:** 19" and/or desktop, height: 2U (89mm), depth: 500mm
steel chassis, RAL 9005, weight: approx. 11,5 kg
- Scope of delivery:** Heinzinger EVO hv power supply
Male Heinzinger hv plug with 3m HV cable
Rubber feet for desktop application
Mains cord 1.5m, with connector Schuko (CEE7) on grid and
IEC 60320 Type C20 on device side
Screw terminal block for I/O plug
User manual (English/German)