

# DPSmini

COMPACT BUILT-IN HIGH PRECISION HIGH VOLTAGE MODULE

Out: 500 V - 10 kV | 8 W | In: 24V DC | Ripple: typ. < 10 - 30 mV<sub>p-p</sub>



DC/DC

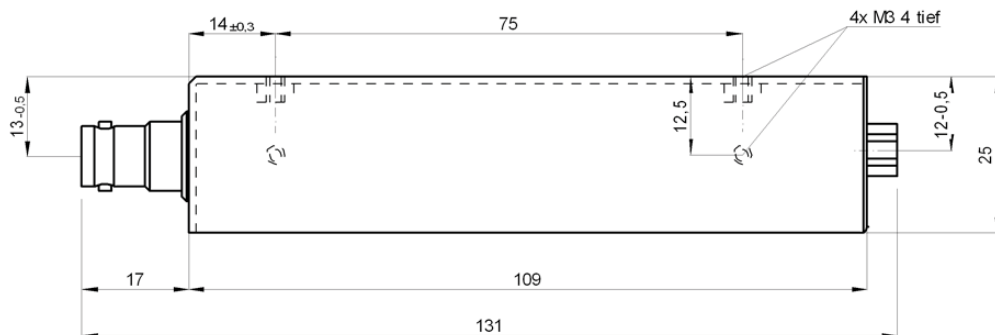


- ▶ patented resonance converter technology
- ▶ high precision, high stability
- ▶ very low ripple and noise, low EMI
- ▶ very compact metal-box
- ▶ INHIBIT
- ▶ customized versions on request

DPSmini modules are highly precise and highly stable analog controlled DC/DC high voltage supplies in a very compact metal box case.

The output voltage is controllable via analog interface with either a potentiometer (internal reference voltage) or an analog control voltage.

To protect the connected load the modules are equipped with INHIBIT.



### SPECIFICATIONS / SPEZIFIKATION

<b>Polarity</b>	factory fixed, positive or negative
<b>Ripple and noise</b> [f > 10 Hz]	< 10 - 30 mV <sub>p-p</sub>
<b>Stability</b> - [ $\Delta V_{out} / \Delta V_{in}$ ]	< $1 \cdot 10^{-5} \cdot V_{nom}$
<b>Stability</b> - [ $\Delta V_{out} / \Delta R_{load}$ ]	< $1 \cdot 10^{-5} \cdot V_{nom}$
<b>Temperatur coefficient</b>	< $5 \cdot 10^{-5} / K$
<b>Supply voltage</b>	22.8 - 25.2 V
<b>Set / monitor voltage</b>	0 - 5 V
<b>Remote connector</b>	D-Sub 9
<b>Protection</b>	overload and short circuit protected, INHIBIT
<b>HV connector</b>	HV-cable   SHV
<b>Case</b>	metal box

### CONFIGURATIONS / KONFIGURATIONEN

MODEL	V <sub>nom</sub>	I <sub>nom</sub>	L/W/H
DPx 05 156 24 5	500 V	15 mA	109/62.5/25 mm
DPx 10 805 24 5	1 kV	8 mA	109/62.5/25 mm
DPx 20 405 24 5	2 kV	4 mA	109/62.5/25 mm
DPx 30 305 24 5	3 kV	3 mA	109/62.5/25 mm
DPx 40 205 24 5	4 kV	2 mA	109/62.5/25 mm
DPx 60 105 24 5	6 kV	1 mA	109/68.5/31 mm
DPx 80 105 24 5	8 kV	1 mA	109/80/31 mm
DPx 100 504 24 5	10 kV	0.5 mA	109/80/31 mm

### ORDER & OPTIONS / BESTELLINFORMATIONEN

OPTION	ORDER INFO	EXAMPLE
<b>Polarity</b>	positive: <b>x = p</b> , negative: <b>x = n</b>	DPp 05 156 24 5_MS
<b>SHV connector</b>	MS	
<b>Cable version</b>	MK	



#### iseq Spezialelektronik GmbH

Bautzner Landstr. 23  
01454 Radeberg  
Germany

phone: +49 351 26996-0  
Fax: +49 351 26996-21  
e-mail: info@iseq-hv.com

**iseq** is a manufacturer of very precise and stable High Voltage Power Supplies with focus on physics and industrial applications. The product portfolio includes AC/DC, DC/DC and modular High Voltage systems. The company was founded in 1995. Continuous growth and innovation strengthened the company's market position. **iseq** is well known for the development of outstanding custom specific solutions for various special applications.