

# DPS-MINI

## COMPACT BUILT-IN HIGH PRECISION HIGH VOLTAGE MODULE

- ▶ Patented resonance converter technology
- ▶ High precision, high stability
- ▶ Very low ripple and noise, very low EMI
- ▶ Very compact metal box
- ▶ INHIBIT
- ▶ Customised versions on request



DPS-mini 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 an external potentiometer (internal reference voltage) or an analog control voltage. To protect the connected load the modules are equipped with INHIBIT.

### SPECIFICATIONS

<b>Polarity</b>	factory fixed, positive or negative
<b>Ripple and noise</b> [f >10 Hz]	typ. < 3 mV <sub>p-p</sub>
<b>Stability</b> - [ $\Delta V_{out} / \Delta V_{in}$ ]	< $1 \cdot 10^{-5} \cdot V_{nom}$
<b>Stability</b> - [ $\Delta V_{out} / \Delta R_{load}$ ]	< $5 \cdot 10^{-5} \cdot V_{nom}$
<b>Temperature coefficient</b>	< 50 ppm / K
<b>Supply voltage</b>	22.8 - 25.2 V
<b>Set / monitor voltage</b>	0 - 5 V
<b>Protection</b>	overload and short circuit protected, INHIBIT
<b>Remote connector</b>	D-Sub 9
<b>HV connector</b>	HV-cable   SHV
<b>Case</b>	metal box, moulded

### CONFIGURATIONS

MODEL	V <sub>nom</sub>	I <sub>nom</sub>	RIPPLE AND NOISE	L/W/H
DPx 05 156 24 5	500 V	15 mA	< 10 mV <sub>p-p</sub>	109/62.5/25 mm
DPx 10 805 24 5	1 kV	8 mA	< 10 mV <sub>p-p</sub>	109/62.5/25 mm
DPx 20 405 24 5	2 kV	4 mA	< 10 mV <sub>p-p</sub>	109/62.5/25 mm
DPx 30 305 24 5	3 kV	3 mA	< 10 mV <sub>p-p</sub>	109/62.5/25 mm
DPx 40 205 24 5	4 kV	2 mA	< 10 mV <sub>p-p</sub>	109/62.5/25 mm
DPx 60 105 24 5	6 kV	1 mA	< 30 mV <sub>p-p</sub>	109/68.5/31 mm
DPx 80 105 24 5	8 kV	1 mA	< 30 mV <sub>p-p</sub>	98/74/22-24 mm
DPx 100 504 24 5	10 kV	0.5 mA	< 30 mV <sub>p-p</sub>	103/74/25 mm

### ORDER & OPTIONS

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>	<b>MS</b>	
<b>Cable version</b>	<b>MK</b>	