

GPS

ANALOG CONTROLLABLE AC/DC HIGH VOLTAGE POWER SUPPLIES

Out: 1 kV - 70 kV | 300-800 W | Ripple: best: $< 1 \cdot 10^{-4} \cdot V_{nom}$



- ▶ 300-800 W / 1kV - 70 kV versions
- ▶ 19" case / compact box / custom specific
- ▶ best control characteristics
- ▶ analog I/O
- ▶ capacitor charger (option CLD)
- ▶ ARC management (option ARC)
- ▶ very low ripple and noise, very low EMI
- ▶ high efficiency up to 85%

Devices of GPS series are analog controlled AC driven high voltage power supplies with a high power density at best output characteristics. Due to a wide range of customization possibilities, these devices are the perfect choice to match fixed requirements at a very reasonable price.



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GPS AC/DC high voltage supplies in metal box and 19" rack housing

SPECIFICATIONS / SPEZIFIKATION

	GPS COMPACT 350 W	GPS 300W	GPS 800 W
Polarity		factory fixed, positive or negative	
Ripple and noise [f > 10 Hz]	$< 2 \cdot 10^{-3} \cdot V_{nom}$		$< 1 \cdot 10^{-4} \cdot V_{nom}$ [V _{nom} ≤ 8 kV] $< 5 \cdot 10^{-4} \cdot V_{nom}$ [V _{nom} > 8 kV]
Stability		0.02 % *	
Voltage regulation [$\Delta V_{out} / \Delta V_{in}$]	0.02 % [V _{out} ≥ 5 V]		0.01 % [V _{out} ≥ 5 V]
Temperatur coefficient		$< 2 \cdot 10^{-4} / K$	
Supply voltage		85 - 264 VAC with PFC	
Set / monitor voltage		0 - 5 V opt. 0 - 10 V	
Protection		overload, ARC and short circuit protected, INHIBIT, overvoltage/overtemp protection	
Case	metal box		19" 1U rack mountable
Dimensions (L/W/H)	254/254/81-106 mm		410 mm / 19" / 1U

* for 8h, after 0.5h warmup

ORDER & OPTIONS / BESTELLINFORMATIONEN

OPTION	ORDER INFO	EXAMPLE
Polarity	positive: x = p , negative: x = n	GP p 10 307 05
Remote / monitor voltage	0-5 V (standard): y = 05 , 0-10 V (optional): y = 10	GPp 10 307 10
Capacitor charger	CLD	
ARC management	ARC	

Note: other product configurations and customizing on request



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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.