

HTP-CPS

HV MODULES WITH HIGHLY STABLE OUTPUTS



POSITIVE PROBLEM SOLVING **+ =**

The HTP-CPS are high voltage PSUs with maximum outputs of either +5kV to -20kV. Rated at 10W, these units provide a very stable output with low ripple and noise.

The output voltage and current limits are set over the analogue interface. The V & I values can also be monitored and the output enabled. As standard the HTP-CPS units are built into compact metal cases with the output provided via a 600mm bare ended HV cable.

- + Can be Used in HTP-THQ Series
- + High Voltages up to -20kV
- + Stable Output Voltage
- + Very Low EMI

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SELECTION TABLE

Part Number	Maximum Power	Input Voltage	Output Voltage Range	Output Current Range
HTP-CPp 50 205	10W	24V	0 to +5kV	0 - 2mA
HTP-CPn 200 504	10W	24V	0 to -20kV	0 - 0.5mA

TECHNICAL DATA

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Stability (ΔV_{IN})	$< 1 \times 10^{-4} \times V_{OMAX}$
Stability (ΔR_{LOAD})	$< 2 \times 10^{-4} \times V_{OMAX}$
Ripple & noise (typical)	$< 2 \times 10^{-5} \times V_{OMAX}$
Ripple & noise (max)	$< 5 \times 10^{-5} \times V_{OMAX}$
Temperature coefficient	$< 1 * 10^{-4} /K$
Remote control	0 - 5V
Protection	Overload and short circuit, INHIBIT signal, current and voltage limit
Case	Metal box
Dimensions (HTP-CPp 50 205)	75 x 155 x 40mm (W x D x H)
Dimensions (HTP-CPn 200 504)	75 x 185 x 40mm (W x D x H)
Supply voltage V_{IN}	24VDC \pm 5%
Output polarity	Factory fixed
INHIBIT	TTL Low
Output Connection	600mm cable

Every effort is made to ensure that the information provided within this technical summary is accurate. However, ETPS Ltd must reserve the right to make changes to the published specifications without prior notice. Where certain operating parameters are critical for your application we advise that they be confirmed at the time of order. ETPS Ltd specialises in modifying its proven platforms to suit your needs. Please contact our office if your requirement is non-standard. Please note that your actual unit may differ from those shown.





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