

HTP-EPS

5kV MODULE WITH NEGATIVE POLARITY



POSITIVE PROBLEM SOLVING **+ =**

This HTP-EPS PSU offers voltages up to 5kVdc supplied at 60W. The unit is built into a compact module. Control and measurement is achieved with an analogue signal.

Employing a patented resonance mode principle the HTP-EPS series demonstrates impressive regulation and stability. A bare ended HV cable provides the output. Each cassette is fitted with an ID chip to allow automatic detection by an MMC interface card.

- + Output Voltage up to 5kV
- + Stable Output Voltage
- + Low Ripple & Noise
- + Very Low EMI

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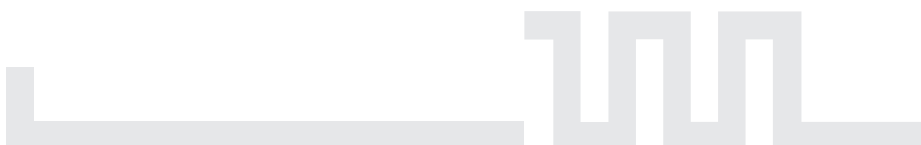
SELECTION TABLE

Part Number	Maximum Power	Output Voltage Range	Output Current Range
HTP-EPn 50-126	60W	0 to -5kV	0 - 12mA

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	$< 5 \times 10^{-4} \times V_{OMAX}$
Repetition Accuracy	$< 1\% \times V_{NOM}$
Temperature Coefficient	$< 1 \times 10^{-4}/K$
Switching Frequency	32kHz to 50kHz
Remote Control	0 - 5VDC analogue interface
Protection	Overload and short circuit, INHIBIT signal, internal temperature control, current & voltage limit
Case	Metal box
Dimensions (60W Units, Metal box)	108 x 185 x 57mm (W x D x H)
Supply voltage V_{IN}	24VDC \pm 5%
Output connection	600mm HV bare ended cable
Polarity	Negative
INHIBIT	TTL Low

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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