

# HTP-THQ

## 1 TO 3 CHANNEL HIGH VOLTAGE RACKMOUNT UNIT



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The AC powered HTP-THQ is a low cost flexible high voltage PSU. Modules are selected from the HTP-CPS, HTP-DPS and HTP-EPS ranges to provide a user specific 1, 2 or 3 channel unit.

The compact 2U rackmount design is ideal for laboratory testing environments where space is critical. Highly stable voltages of up to 30kV per channel are achieved when specific modules are selected. Output voltage is controlled by either the 10-turn potentiometer, analogue I/O (0 to 5V) via a D Sub 9 connector or rear USB Interface. The HTP-THQ can be built with either fixed or switchable polarity.

- + Low Cost Rackmount HV PS with 1 to 3 Channels
- + LCD 4 Digit Display for Voltage & Current
- + Output Voltages 500V up to 30kV
- + USB and Analogue I/O Interfaces
- + Output Power up to 150W
- + AC Input 100 - 240VAC

# HTP-THQ

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## FURTHER DETAILS

Power outputs from 5W to 150W are available with currents ranging from 0.3mA to 120mA. Optional SHV, LEMO and GES21 rear connectors are available for the HV output. For an alternative desktop top version please visit our HTP-THQD series.

### AVAILABLE OPTIONS

#### 1 CHANNEL RACKMOUNT VERSIONS

Module Series	Voltage Range	Power
HTP-CPS Series	500V up to 30kV	Maximum 12W
HTP-DPS Series	500V up to 6kV	Maximum 12W
HTP-EPS Series	500V up to 30kV	Maximum 150W

#### 2 CHANNEL RACKMOUNT VERSIONS (MODULE COMBINATIONS LIMITED TO 200W)

Module Series	Voltage Range	Power
HTP-CPS Series	500V up to 30kV	Maximum 12W
HTP-DPS Series	500V up to 6kV	Maximum 12W
HTP-EPS Series	500V up to 30kV	Maximum 150W

#### 3 CHANNEL RACKMOUNT VERSIONS

Module Series	Voltage Range	Power
HTP-CPS Series	500V up to 30kV	Maximum 12W
HTP-DPS Series	500V up to 6kV	Maximum 12W

### TECHNICAL DATA

GENERAL	
Desk Case Dimensions	19" × 2U × 305mm (W × H × D)
Operating Temperature	0 to 50°C
Storage Temperature	-20 to 60°C

## SELECTION TABLE (1 CHANNEL)

PART NUMBER	MAXIMUM POWER	MAXIMUM VOLTAGE	MODULE TYPE
T1-30 0006	60W 60W	≤6kV ≤30kV	HTP-DPS HTP-CPS
T1-30 0012	120W	≤30kV	HTP-EPS
T1-30 0020	200W	≤30kV	HTP-EPS

## SELECTION TABLE (2 CHANNELS)

PART NUMBER	MAXIMUM POWER	MAXIMUM VOLTAGE	MODULE TYPE
T2-30 0006	60W 60W	≤6kV ≤30kV	HTP-DPS HTP-CPS
T2-30 0020	200W 200W 200W	≤6kV ≤30kV ≤30kV	HTP-DPS HTP-CPS HTP-EPS

## SELECTION TABLE (3 CHANNELS)

PART NUMBER	MAXIMUM POWER	MAXIMUM VOLTAGE	MODULE TYPE
T3-30 0012	120W 120W	≤6kV ≤30kV	HTP-DPS HTP-CPS

## OPTIONS

CODE	DESCRIPTION
/SHV	Unit built with SHV rear connector cable (Voltages ≤7kV)
/GES21	Unit built with GES21 rear connector cable (Voltages ≤20kV)
/LEMO	Unit built with LEMO rear connector cable (Voltages ≤30kV)

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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