

# THP2345 Series

## Low ripple high-power power supply

0~2kV,4kW, 2U



Teslaman THP2345 series of high-power high-voltage power supplies have a low ripple that is better than 0.1%p-p. The interior adopts air insulation mode, with a fast response unit, accurate adjustment and extremely low arc discharge current. It can operate efficiently and reliably in negative resistive load applications such as ion sources.

- Output voltage 2kV
- Output power 4kW
- 0.1%p-p ripple
- Fast recovery, low arc discharge current
- Comply with CE standards
- Nanosecond protection response
- Safe interlock function
- It can be customized according to user requirements.

### Typical applications:

Pressure resistance test; aging test; etching; coating; semiconductor application; ion source; accelerator.

### Specifications:

**Input voltage:**380VAC.

**Input current:**20A.

**Output voltage:**1kV to 2kV A variety of maximum output voltages are optional, and the maximum output power 4kW. 0 to the highest voltage is continuously adjustable, and the output is positive or negative single polarity.

**Ripple:**Under rated output conditions, it is better than 0.1% p-p.

**Rising time:**<300ms (10ms optional).

**Adjust the resolution:** 0.02% of Rated voltage

**Output accuracy:**<0.2% (repeated accuracy).

**Analog control:**0-10V (repeated accuracy 0.2%).

**Voltage/Current resolution:**0.1V/1mA.

**Remote control interface:**RS-485, RJ45.

**Stability:** After half hour warm-up, less than 0.1% for every 8 hours.

**Environmental:** Operating:0 to 45°C.Storage:-20°C to 80°C.

**Humidity:**10-90%No condensation.

**External dimensions:**Wide482mm, 89mm high and 380mm deep.

**THP2345Series high-voltage power supply model selection table (customizable):**

Output rating		Power supply model	
kV	mA	Positive polarity	Negative polarity
1	4000	THP2345P1-4000	THP2345N1-4000
2	2000	THP2345P2-4000	THP2345N2-4000

### External dimensions: mm

