

THP2350Series

Low Ripple, Large Power

0~2.5kV, 5kW, 5U



Teslaman THP2350series high-power high-voltage power supply, with low ripple rate better than 0.1% performance. Air-insulated design, internal load high reaction speed unit, to achieve high-precision regulation and extremely low arc discharge current. In addition to normal high voltage applications, the Teslaman THP2350series high power high voltage power supply can also be used in negative resistance load applications such as ion source efficient and reliable operation.

- Output Voltage 20kV
- Output Power 5kW
- 0.1% p-p ripple
- Fast recover、low arc current
- Nano-second protection reaction
- Safety Interlock
- OEM Available

Typical Applications:

Etching; Coating;
Semiconductor applications;
Ion source; accelerator;
Voltage withstand test;
Aging test.

Specifications:

Input Voltage: 380VAC.

Input Current: 20A.

Output Voltage: 1kV to 20kV and other optional maximum output voltage, maximum output power 5kW. 0 to the highest voltage continuously adjustable, the output positive and negative single polarity

Ripple: Less than 0.1%p-p under rated output.

Rise Time:<300ms (10ms Customizable)

Voltage Regulation: 0.02% of rated voltage

Accuracy: <0.2%

Analog Control: 0-10V (accuracy 0.2%) .

Voltage/Current Resolution: 0.1V/1mA.

Remote Control: RS-485、RJ45.

Stability:

Less than 0.1% every 8 hours after half hour warm up

Environmental:

Operational: 0 to 45°C. Storage: -20°C to 80°C.

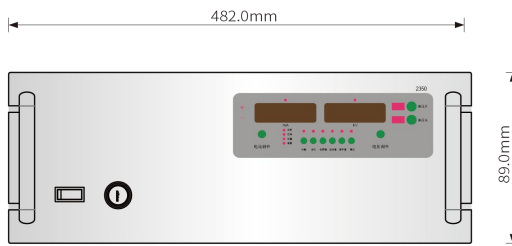
Humidity: 10-90% non-condensing

Dimensions: W482mm, H222.5mm, D380mm.

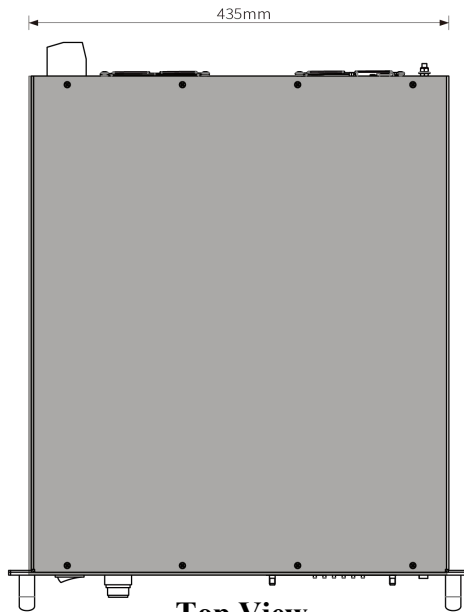
THP2350Series model selection table (customizable) :

Rated Output		Model	
kV	mA	Positive	Negative
1	5000	2350P1-5000	2350N1-5000
2.5	2000	2350P2.5-5000	2350N2.5-5000
5	1000	2350P5-5000	2350N5-5000
10	500	2350P10-5000	2350N10-5000
20	250	2350P20-5000	2350N20-5000

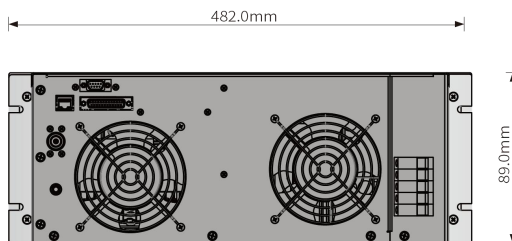
Dimensions: mm



Front View



Top View



Rear View