

TP3080 Series Pulse High Voltage Power Supply



40kV, 1kW, Output Frequency 1-1kHz, Sharp Pulse

Teslaman TP3080 series is a high performance 19" standard rack-mounted high voltage pulse power supply, which adopts digital control mode and can meet the functional requirements of customers with various control settings. In addition, this power supply also has over-voltage and over-current protection function to ensure trouble-free operation of the power supply.

- Output Voltage 0-40kv
- Output Current 25ma
- Output Frequency 1-1khz
- Maximum Output Power 1kw
- Voltage And Frequency Display
- Over-Voltage And Over-Current Protection
- It Can Be Controlled Remotely Through Rs-485
- OEM Customization Available

Typical Application:

Plasma; Electrostatic dust removal;
Animal experiment; Simulated lightning wave;
Withstand voltage test, etc.

Specifications:

Input: AC220V \pm 10%, 50/60 Hz.

Output: Maximum output voltages could be designed from 1kV to 40kV. 0 to the highest voltage is continuously adjustable, and each model provides positive output or negative output.

Maximum Output Current: 25mA.

Output Frequency: 1-1kHz continuously adjustable, higher frequency optional.

Rising Time: $> 15 \mu s$ 10% (tested under resistive load).

Pulse Width: 8-50 μs 10%.

Maximum Output Power: 1kW.

Instant Accuracy: 0.01% every 8 hours after 1/2 hour warm up.

Output Adjustment And Display:

The front panel of power supply can display the voltage and frequency information of output pulse, and each value can be adjusted and set through the knob of front panel.

Voltage Control:

The front panel knob of the power supply can set the output voltage between 0 and the highest pulse voltage.

Frequency Control:

The front panel knob of the power supply can set the output frequency between 1 and the highest frequency.

Environmental:

Operational:-10 °C to + 50 °C.

Storage:-20 °C to + 80 °C.

Temperature Coefficient: 0.01% per °C.

Stability:

It is less than 0.1% every 8 hours after 1/2 hour warm up (higher stability is optional).

Overall Dimensions:

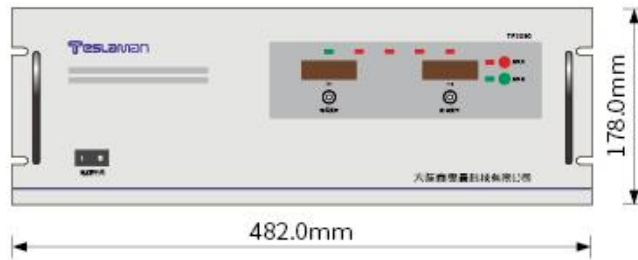
The width is 482mm, the height is 178mm and the depth is 550mm.

Connectors:

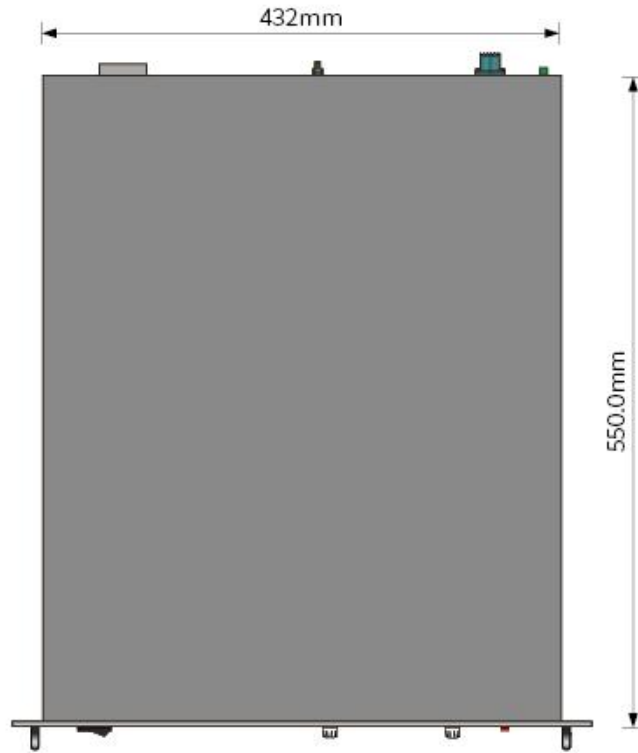
Pulse Output Connector: aviation plug.

High Voltage Cable: High Voltage Power Supply provides a standard 1m long high voltage cable (optional cable length) to connect the high voltage power supply to the load.

Overall Dimensions: mm



Front View



Top View



Rear View