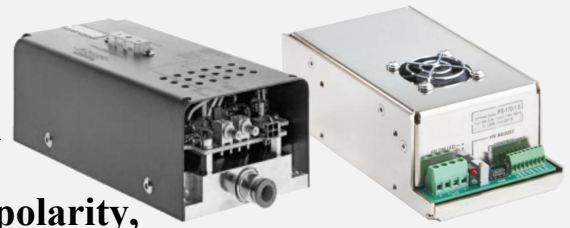


TDPB3310 Series

Pulse high voltage power Supply

**4kV differential output, reversible relative polarity,
upper and lower edges < 8ns, 1MHz, 120W**



Teslaman TDPB3310 series is a multifunctional high voltage pulse power supply, the output voltage, frequency and pulse width are continuously adjustable. The output high voltage can rise linearly and steadily, and the step can be less than 10V. TDPB3310 series power supply can also be connected with external potentiometer to realize remote control of output voltage and frequency, and has the functions of external voltage and frequency display, high voltage output over-voltage and short circuit protection, safety interlock and so on.

- Output voltage 4kVp-p
- Differential output with reversible polarity
- Pulse width 16ns ~ 5000ns
- Upper and lower edges < 8ns
- Maximum frequency 1MHz
- Output power 120W
- Water-cooling system

Typical Application:

Electro-optic modulator; Crystal optical path switch; Plasma; Alternating current electrostatic field; Scientific research, etc.

Specifications:

DC Module Input Voltage: DC 24V \pm 10%.

Rated output power of DC module: 120W.

Output polarity of DC module: positive and negative 2kV bipolar output.

Output voltage of pulse module:
-2kV ~ + 2kV (stepless than 10V).

Pulse module output type:

Differential output, relative polarity can be reversed (output can not be connected to earth).

Heat dissipation mode of pulse module: watercooling.

Pulse Module Frequency Adjustable Range: 1Hz ~ 1MHz.

Pulse rising edge: < 8ns.

Pulse falling edge: < 8ns.

Pulse width adjustment range: 16ns ~ 5000ns.

Pulse trigger mode: two-way TTL trigger signal control, 0 ~ 5V.

Pulse trigger delay time:

< 200ns, the delay time change of a device is equivalent to the jitter value of pulse trigger mode.

Pulse trigger delay jitter:

< 20ns, for one device, the jitter value is stable.

Load type: capacitive, capacitance < 10pf.

Use temperature: Standard room temperature.

Use humidity: standard.

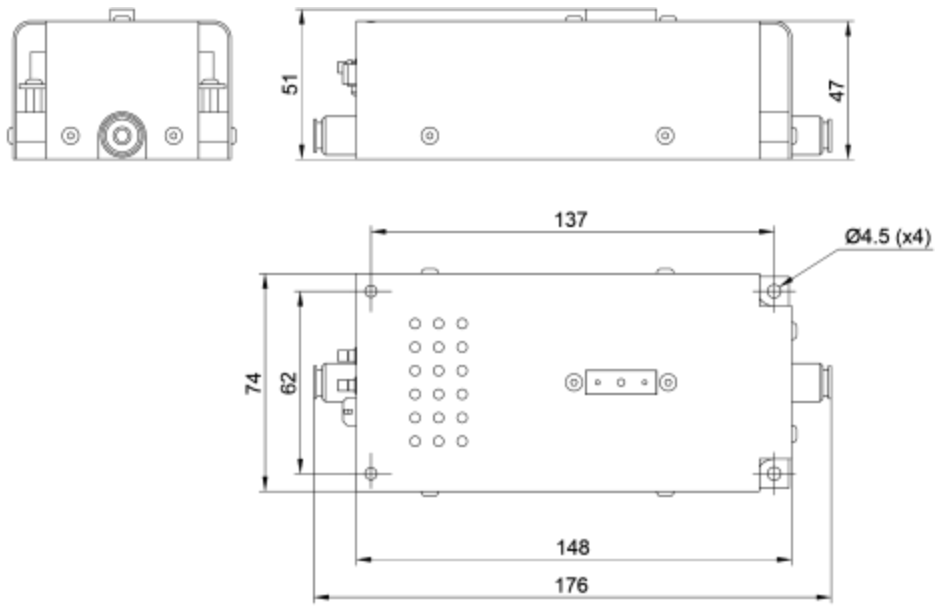
Pulse triggered dead time protection: Yes.

Pulse module dimensions (mm): 148x75x51.

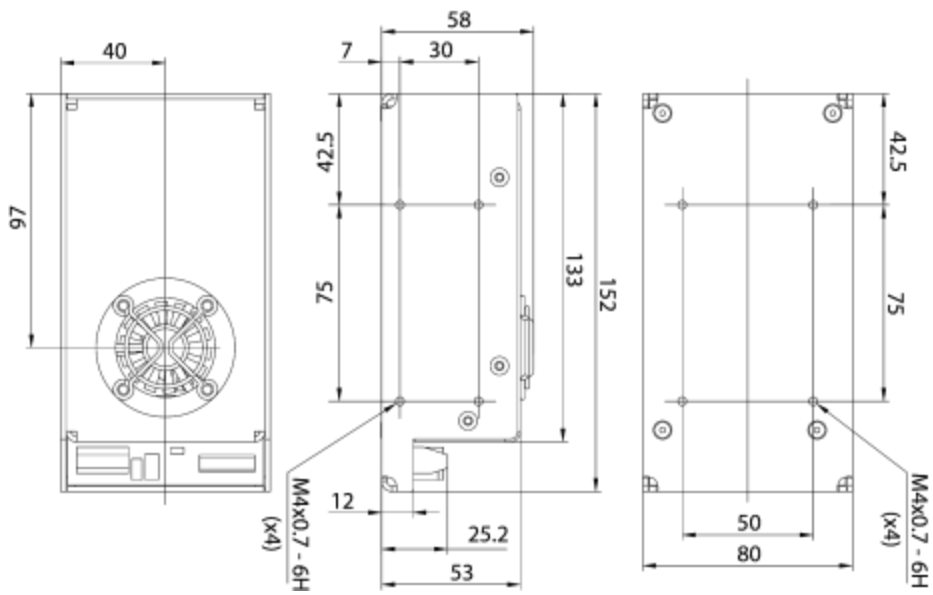
DC Module Dimensions (mm) : 175x110x42.

Cable: The length can be customized.

Overall Dimensions: mm



Pulse module



DC module